

No. 798

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JAMAICA
WEATHER REPORT.
FOR THE MONTH OF
JANUARY, 1942.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first two standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part *fracto-stratus*; the Middle (M) cloud cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature. (F.)					Extreme Temperature (F.)				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.
ft.	ins.	ins.	°	°	°	°	°	°		°		°	
Morant Point Light House	8	30.008	29.969	78.6	81.1	83.1	75.7	7.4	85.5	12	70.5	26	15.0
Kingston	24	29.980	29.929	70.4	84.3	87.5	69.7	17.8	92.0	13	65.6	24	26.4
Negril Point Light House	33	29.983	29.934	71.3	83.0	85.3	69.0	16.3	88.0	29	64.1	25	23.9
Montego Bay †	33			69.6	83.9	86.9	67.2	19.7	90.5	8	63.0	25	27.5
Castleton Gardens*	496			64.9	78.0	82.6	65.5	17.1	88.5	15	60.5	1	28.0
Hope Gardens*	668	29.999	29.902	69.0	80.3	90.3	65.6	24.7	93.0	9*	62.0	28*	31.0
Hill Gardens, Blue Mountains*	4,900	25.272	25.239	58.7	64.4	68.9	55.2	13.7	73.0	4	51.3	24*	21.7

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.					Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.					7 a.m.	3 p.m.			7 a.m.			3 p.m.		
	ft.	°	%	°	%	ins	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L	M.	U.	L.	M.	U.	
Morant Point Light House	8	73	81	74	79	4.83	317	E	18.0	E	15.0	2.6	4.2	0.2	2.8	4.3	0.1	
Kingston	24	64	81	69	61	1.05	186	N	6.2	SE	14.1	1.5	1.5	0.3	3.1	3.5	0.3	
Negril Point Light House	33	66	85	70	63	3.84	143	NE	5.2	NE	8.7	3.0	0.8	0.4	1.8	2.6	0.4	
Montego Bay Castleton	33	67	91	76	78	4.74	..	NE	..	NE	..	..	..	..	..	..	..
Gardens	496	62	94	72	82	1.35	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	62	78	65	60	1.09	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mtns.	4,900	53	84	60	87	3.68	..	..	..	..	..	..	..	..	..	..	..

* And on other days.

*Hope Gardens—observations made at 9 a.m. and 3 p.m.

†Montego Bay—observations made at 8 a.m. and 3 p.m.

National Oceanic and Atmospheric Administration

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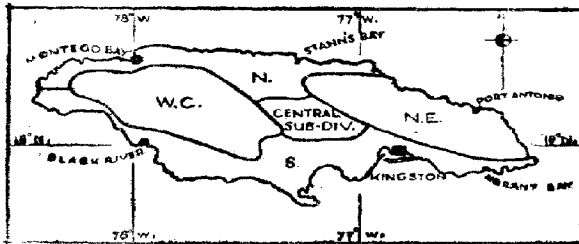
March 28, 2002

THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929". In obtaining the mean rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-eastern and West-central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica", following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



January, 1942.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION (N.E.)					
Manchioneal	8.96	2.10	25	16	5.61
Ecclesdown	23.16	6.37	31	26	
Priestman's River	6.86	3.20	31	14	5.66
Bath	6.93	0.98	18	18	6.12
Barrett's Gap	10.38	1.54	31	22	
Millbank	14.25	1.47	2	24	
Bowden Pen	12.74	1.54	31	25	
Moore Town	14.47	2.25	4	25	16.89
Port Antonio	16.65	5.30	31	21	8.71
Passley Garden	12.79	2.35	27	25	
Mt. Pleasant	8.50	2.00	22	14	
Fellowship	17.96	3.26	31	16	12.54
Johnson River Br.	4.07	1.05	31	10	3.30
Trinity Ville	4.75	1.41	31	9	
Fruitful Vale	4.10	1.06	13	2	
Shrewsbury	8.10			14	
Hope Bay	10.48	2.29	22	22	
Cedar Valley	3.33	0.50	14	13	3.65
Swift River	6.45	1.54	22	15	
Lennox	8.67	2.65	13	26	
Greenvale	4.13	0.90	24	12	20.33
Darley	8.64	1.38	20	19	
Spring Garden					8.92
Hill Gardens	3.68	0.62	12	16	7.10
Buff Bay	7.38	2.12	13	13	9.33
Buff Bay R. Est.	4.92	1.32	14	17	
Belvedere, Portland	7.64	2.00	14	10	12.41
Windsor Castle, do.	7.35	1.15	21	9	6.37
Balcarras	5.22	1.04	22	13	
Mt. Holstein	4.01	1.00	20	17	16.06
Cedar Hurst	3.11	1.16	22	15	
NORTHERN DIVISION (N.)					
Windsor Castle do.	1.90	0.36	27	9	
Troja	1.63	0.66	27	4	
Pear Tree Grove	1.85	0.74	28	4	
Guy's Hill	2.02	0.80	31	5	6.24
Lucky Hill	2.62	1.02	12	13	7.45
Rio Hoe	1.68	0.43	28	9	5.76
Unity Valley	2.81	0.88	22	14	4.93
Moneague	1.47	0.40	28	13	4.84
Claremont	2.17	0.53	12	10	5.91
Averham Park	3.40	0.95	28	13	7.06
Albion	2.16	0.65	31	6	5.37
NORTHERN DIVISION (N.)					
Port Maria	4.85	1.22	12	15	5.85
Wentworth	3.68	1.00	22	5	
Jacks River	7.22	2.30	22	13	
Oracabessa					
Retreat	5.94	2.38	22	8	
Huddersfield	8.55	2.12	13	9	
Exchange	6.35	2.25	22	11	
Ocho Rios	4.52	1.24	22	7	4.73
Rockfield	4.94	0.94	12	13	7.67
Liberty Hill	4.52	1.25	14	11	6.53
St. Ann's Bay	6.90	1.89	28	12	5.22
Richmond Estate	6.40	2.18	28	11	5.82
Runaway Bay	4.32	1.00	28	8	2.85
Thatchfield	7.62	2.36	21	8	
Knapdale	4.35	1.44	22	9	
Alexandria	2.02	0.70	22	6	2.79
Bel-Air	4.80	1.79	22	9	
Brown's Town	3.77	1.26	22	9	6.01
Wilton	4.73	2.48	22	10	
Watt Town, St. Ann	3.69	1.05	15	10	2.82
Home Castle	6.35	4.60	22	5	5.52
Stewart Town	4.82	2.60	22	7	
Arcadia	3.78	2.40	22	6	4.76
Vale Royal	4.13	1.85	22	7	5.03
Duncans	2.92	1.33	28	4	
Clark's Town	4.76	2.69	22	4	
Gibraltar					
Falmouth	1.66	0.90	21	6	3.82

STATIONS.	January, 1942.					STATIONS.	January, 1942.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Maroon Town						Wait-a-bit	4.90	1.43	22	15	
Adelphi	2.08	0.48	21	7		Christiana	4.11	2.60	31	11	2.37
Windsor Lodge	2.64	1.05	21	5		Holmwood	2.70	1.54	31	7	
Latium	3.73	1.15	21	8		Clifton Hill	4.35	1.60	31	6	2.10
Barrett Hall						Kendal, Manchester	4.25	1.10	14	13	2.24
Success					2.12	Mereworth	6.26	2.27	31	15	
Cornwall						Mandeville	2.82	1.30	31	8	3.03
Rose Hall					3.42	Ulster Spring	6.28	1.51	22	12	3.42
Cinnamon Hill					3.40	Greenvale	2.80	0.80	22	8	
Tryall					2.12	Albert Town	4.89	1.18	31	8	2.31
Running Gut					3.54	Craig Head	5.18	2.04	12	5	
Spring Estate					3.83	Warsop	3.20	1.20	12	11	
Friendship	4.19	0.71	10	14	3.74	Troy	4.66	1.10	12	11	2.02
Irwin	6.00	1.65	28	10		Wallingford	4.53	1.19	5	11	1.80
Retirement	4.61	1.25	5	11	3.51	Balaclava	4.26	1.13	5	9	1.81
Rose Mount						Braes River	4.16	0.90	31	8	
Montego Bay	4.74	1.47	10	9	2.88	Wakefield	1.80	1.08	22	5	
Anchovy	2.83	1.01	21	7	2.85	Appleton					
Hopewell	3.86	2.04	21	5		Aberdeen	4.54	1.19	10	13	
Blue Hole	4.72	2.41	9	9	3.15	Accompong					
Cascade	7.11	2.75	11	13		Maggotty	3.14	1.10	16	11	2.90
Lucea	2.40	1.03	11	9	3.13	Lacovia	5.52	1.30	20	10	
Haughton Court	3.79	1.30	11	10	2.58	Mulgrave	6.19	1.01	28	14	
Kendal—Hanover	3.30	0.60	16	17		Holland	4.47	1.55	11	10	
Cousins Cove	3.96	1.49	11	22		Ipswich	4.71	1.04	11	7	
Blenheim	4.43	1.53	11	13		Ginger Hill	2.79	0.67	4	8	
Green River	4.02	0.86	2	13		Kempshot	1.60	0.62	1	6	3.76
Green Island	6.78	2.84	2	10	2.38	Garlands	5.61	1.62	1	6	
Haughton Hall	3.19	0.84	11	14		Moch, St. James	5.75	1.25	4	9	
CENTRAL SUB-DIVISION.						Catadupa	4.52	1.23	11	12	2.36
Knollis	3.83	1.91	22	7		Cambridge	4.99	0.98	4	13	2.33
Highgate (St. Cath.)	5.23	1.62	20	13		New Market					2.47
Rio Magno	1.84	1.13	3	4		Springfield	5.34	1.60	31	10	
Riversdale	1.86	0.87	2	5		Seaford Town	4.57	1.95	31	9	
Headworks, R.C.C.	2.62	0.74	17	10	1.62	Petersville	4.13	1.41	11	6	
Bog Walk	6.96	2.00	22	7		Kew Park	4.15	1.70	11	11	2.28
Linstead	3.16	0.76	21	10	2.30	The Bog	6.20	1.40	11	11	2.73
Ewarton	0.77	0.40	19	3		Bethel Town Dist.	5.03	1.55	11	12	3.41
Greenock	2.31	0.81	22	6		Copse	6.25	2.00	22	15	
Cave Valley	3.02	1.00	22	6	2.21	Burnt Ground	7.39	1.23	4	15	2.58
Guanaboa Vale						Haughton Grove	9.05	2.50	20	12	3.04
Point Hill	8.70	2.00	31	13	3.41	Knockalva	7.51	2.63	11	12	
Brown's Hall	8.76	1.58	31	10	2.25	Darliston	2.81	0.95	17	8	2.93
Bellas Gate	3.16	1.44	31	9	1.66	Whithorn	2.95	0.65	17	8	2.38
Rock River	4.02	1.30	5	7		Water Works Pen	5.57	1.00	1	14	2.03
Crofts Hill	4.04	1.11	27	10	2.06	Williamsfield, Wld.					
Kellit's	2.74	0.90	4	6		Petersfield	2.24	0.57	17	12	
Suttons	4.47	1.26	14	7		Baulk	3.60	0.98	11	14	
Colonel's Ridge	4.38	0.90	24	13		Askenish	7.56	2.40	11	12	3.48
Chapelton	3.20	0.96	14	12	2.09	Grange Hill	3.70	1.80	16	14	2.55
Crooked River	4.41	2.00	11	11		Mount Eagle	3.54	1.28	16	14	
James Hill	5.32	1.14	22	13		King's Vale	1.73	0.38	11	10	3.05
Frankfield	5.05	1.35	14	12	1.45	SOUTHERN DIVISION (S.)					
WEST-CENTRAL DIVISION (W.C.)						Morant Point L. H.	4.83	0.75	12	18	4.16
Moch, Clarendon	2.15	0.75	29	9	2.00	Golden Grove	6.41	1.27	12	18	
Thompson Town	5.10	1.18	14	12		Pleasant Hill	7.11	1.85	1	17	4.83
Porus						East Prospect	4.42	0.81	28	15	3.99
Borobridge	2.63	1.05	31	5		Morant Bay	4.01	1.07	27	14	2.84
Spaldings	3.13	1.32	31	9	2.70	Lloyds	3.87	0.64	31	13	
Williamsfield	4.04	1.03	31	12		Yallahs	2.28	1.40	31	7	
Brokenhurst	8.42	3.74	31	14	3.08	Easington	2.00	0.62	2	8	1.60
Shooter's Hill					2.05	Mavis Bank	1.92	0.48	12	11	

STATIONS.	January, 1942.					STATIONS.	January, 1942.				
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		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
Bull Bay HARBOUR HEAD					0.73	Glen Muir	2.95	0.75	28	5	..
Dallas Castle	0.99	0.25	27	11		Cottage	2.25	0.95	27	9	..
Gordon Town	1.34	0.50	31	5	3.20	Pennants	3.57	1.03	14	10	..
Irish Town	2.79	0.81	28	5	2.22	Belle Plain	3.76	1.80	31	8	..
Hope Gardens	1.09	0.26	28	8	1.79	Milk River	1.73	0.71	27	6	1.75
Bamboo Pen	1.68	0.45	31	12		Retrieve	2.89	0.83	27	7	1.21
Plumb Point L. H.	1.86	1.10	27	4	0.74	Stone's Hope	2.96	0.52	31	13	2.42
King's House Gar.	1.68	0.50	31	11	1.35	Newport, Man.	5.14	1.37	31	11	2.56
Up-Park Camp	0.93	0.25	12	7		Alligator Pond					1.39
Cavaliers	1.06	0.42	27	8		Myersville	1.86	0.59	16	6	..
St. George's College	1.48	0.67	27	9		Goshen	3.00	0.57	27	7	..
Upper Kingston	1.67	0.33	12	10	0.55	Bull Savannah	1.50	0.58	28	7	..
Parade Garden	1.50	0.89	27	6		Munro	3.03	0.61	16	15	..
Kingston P.W.O.	1.05	0.64	27	7	0.87	Windsor, St. Eliz.	3.60	0.85	8	13	..
Shortwood College	0.60			0		Torrington	2.48	1.00	28	4	2.26
Constant Spring	2.69	0.86	22	16		Santa Cruz	5.30	1.10	5	11	2.51
Halfway Tree	1.49	0.42	27	8	0.97	Hounslow	1.96	0.68	17	4	..
Clifton Pen	1.95	1.03	27	9	0.71	Pedro Plains					1.60
Twickenham Park	0.90	0.30	27	6		Mountainside	2.50	1.00	28	5	1.64
Red Hills	2.19	0.60	20	9		Fort Charles	1.73	0.77	28	5	..
Quarantine Station	0.98	0.25	28	8	0.65	Black River	3.61	1.12	28	9	1.62
Lorne	0.65	0.35	28	2		Mt. Charles	4.58	1.14	20	11	..
Tulloch Pen	1.02	0.70	27	4		Mount Edgecombe	6.79	2.90	11	10	2.07
Salt Pond Hut	1.03	0.29	27	5		Bluefields	6.89	1.75	12	11	2.81
Hematine	1.61	0.54	20	5	1.12	Sav.-la-Mar	1.66	0.46	27	12	1.66
Spanish Town	1.97	0.62	20	10	1.32	Little London	4.10	0.83	11	13	1.90
Hog Hole, St. Cath.	1.60	0.60	20	4	1.54	Retreat					1.82
Old Harbour	2.80	0.95	22	5	2.03	Sheffield	3.29	1.50	14	1	..
May Pen	1.98	0.86	17	8	1.36	Negril Point L. H.	3.84	2.20	16	8	1.73

NOTES.

COMPARATIVE TABLE OF RAINFALL
AND DAYS ON WHICH RAIN FELL.

DIVISIONAL AND ISLAND RAINFALL.	January.			
	Rainfall, inches.		Days on which Rain fell. •	
	1942.	Ave.	1942.	Ave.
North-eastern	4.94	7.68	12	13
Northern	4.44	3.67	9	8
West-central	4.60	2.80	10	6
Southern	3.08	1.83	9	6
The Island means	4.27	4.00	10	8

SHOCKS OF EARTHQUAKE IN JANUARY, 1942.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
			None reported.

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND—JANUARY.

The mean rainfall for the Island was slightly above the 60-year average. There was marked deficiency in the North-Eastern Division, but all the other Divisions were well above their averages.

The highest total fall for the month was 23.16 inches at Ecclesdown in the North-Eastern Division, and the greatest fall in 24 hours was 6.37 inches at the same Station on the 31st.

The greatest precipitation appears to have occurred in the latter half of the month.

The mean number of rain-days was 10, the average being 8. Ecclesdown and Lennox, both in the North-Eastern Division, with 26 each, had most.

No rain was recorded at Shortwood College in the Southern Division.

The mean rainfall in each parish is given below, compared with the 10 year average. Portland, with 9.44 inches, was highest; Hanover, with 5.12 inches, next; and St. Thomas, with 4.95 inches, was third. Kingston, with 1.51 inch, was lowest.

Parish.	1942	10 year Average.	Parish.	1942	10-year Average.
	inches.	inches.		inches	inches
Kingston ..	1.51	0.55	St. James ..	4.10	1.93
St. Andrew ..	1.87	2.27	Hanover ..	5.12	2.38
St. Thomas ..	4.95	3.43	Westmoreland ..	4.17	2.46
Portland ..	9.44	10.76	St. Elizabeth ..	3.83	1.91
St. Mary ..	3.69	6.27	Manchester ..	4.30	2.24
St. Ann ..	4.10	4.25	Clarendon ..	3.52	1.60
Trelawny ..	3.98	2.40	St. Catherine ..	2.77	2.30

CITY OF KINGSTON.

The total rainfall for the month of January 1942, was 1.05 of an inch, which is slightly above the 60-year normal, 0.87 inch. The greatest fall in 24 hours was 0.64 of an inch, on the 27th. There were seven days with small precipitation. The upper boundary of Kingston gauged 1.67 inch with 10 rain-days.

The several directions in which distant rain was observed are as follows:—To North 2, to Northeast 3, to East and Southeast 1 day each.

Rainsquall to Southeast on 18th.

Distant thunderstorm to South on 28th at 4 a.m.

The mean barometric pressure was 29.968 inches, the 33-year normal being 29.974 inches, or 0.006 inch below normal. Highest barometer reading was 30.049 inches, on 5th, at 7 a.m., and the lowest was 29.875 inches, on 29th, at 7 a.m., corrected for diurnal variation.

Mean temperature for the month was 77.5°, the 33-year normal being 75.8°, or 1.7° above the normal. The highest maximum was 92.0° on the 13th and the lowest minimum 65.6° on the 24th. On the other hand, the lowest maximum was 78.2° on the 28th, a day of rain, and the highest minimum was 72.8° on the 10th. The extreme monthly range was 26.4°. The greatest range was 23.5°, on the 17th, and the least range 5.8°, on the 22nd, (light rain). The maximum temperature was 90° and above on 4 days. This is very unusual for January, a month which rarely records a temperature of over 90°. The minimum was 70° or above on 15 days.

The mean daily miles of wind was 186, the 25-year normal being 163, or 14% above. The greatest number of miles recorded in 24 hours was 310, on the 23rd, and the least was 96 on the 6th. Highest velocity 36 miles per hour, on the 14th, at 1.15 p.m. Southeast or east wind prevailed early on 9 occasions, and continued to 7 p.m. on 8 occasions.

The mean relative humidity was 73%, and the 33-year normal 78%, or 5% below the normal. The mean 7 a.m. was 81%, and the mean 3 p.m. 61%. Lowest 7 a.m. 67%, on the 3rd, and lowest 3 p.m. 44% on the 24th.

Overcast conditions prevailed in the forenoon 10 times, and in the afternoon 16 times.

Total evaporation for the month of January was 6.42 inches, the 10-year average being 5.36 inches. This excess was no doubt due to the mean temperature being 1.7° above the normal.

Mean daily number of sunshine-hours 7.3.

THE INCREASING TEMPERATURE OF KINGSTON, JAMAICA.

During the three years 1939 to 1941, a number of persons in Kingston expressed the opinion that the atmosphere was becoming increasingly uncomfortable, due to the unusual persistence of the heat. This has led to an investigation of the Kingston Temperature Records, and as a result, the following Tables (B), (C) and (D) have been prepared.

Table (B) covers a period of 11 years from 1931 to 1941, and shews the number of days in each month of that period in which the maximum temperature rose to 90° and over. It will be seen that in 1932, the total was 67, a high number, and this decreased to 21 in the following year, 1933. Then from that point on began a consistent increase up to 1941, when the number reach 168 or 8 times that of 1933. There was, however, in that year, an excessive rainfall of 86 inches.

By taking the number of times the temperature rises above 90°, rather than by relying entirely on the Mean Annual Temperature, more pronounced results are obtained, and this would appear to be a more satisfactory method of arriving at temperature relationship.

Attention is directed to a compilation entitled "Sunspots" by Professor Hanlan Stenson, of the Research Institute of Technology of the United States of America, in which he states that, "in general the temperature of the world at large is somewhat higher at Sunspot Minimum than at Sunspot Maximum". This is also borne out by other authorities. Taking the last Sunspot Maximum in the year 1938, the Table shews there were but 44 days when the Maximum Temperature was 90° and above, and now as we are entering the Sunspot Minimum period, the past year, 1941, is found giving the greatest number—168. It is now left to be seen whether the next two or three years when the Sunspot Minimum Cycle is estimated to occur, will record still higher Maximum Temperature, and greater total number of days of 90° and over, if of course, there be no interruption by excessive rainfall.

Table (C) covering the same period, gives, on the other hand, the number of days upon which the Minimum Temperature was below 70° . This Table further supports the theory of Solar Cycle effect, for in the year 1938, (Sunspot Maximum) there appeared 121 days below 70° , whereas in 1941, nearer the Sunspot Minimum, there were only 77 days, shewing the latter year to be much warmer.

Table (D) is intended to shew the relationship between the temperature at the time of the minimum and the maximum of the Sunspots periods as reflected by the Annual Mean Temperature. Some reference to the incidence of rainfall is also made. In column (1), it will be seen that in 1938 the time of the last Sunspot Maximum, the Annual Mean of the extreme maximum temperature was 90.8° , and in 1941 as we were approaching the minimum period, (the actual minimum period is estimated to be in 1943) it is seen that the Annual Mean of the extreme maximum is 92.9° , a difference of about 2° .

In column (2) the annual general mean temperature is given, and it will be seen that 1941 gives a slightly higher temperature than 1938, a difference of 1.8° , again bearing out the theory, though not in so pronounced a manner, as the number of days method. In column (3) the total annual rainfall as measured by a rain gauge situated in the vicinity of the Kingston Thermometer is given. There is not a great difference in totals, but actually, there were 24 inches of rain in 1938 as against 31 inches in 1941, which should have had the effect of reducing the temperature somewhat in the latter year, but actually the reverse occurred.

In column (4) the number of rain-days is given. The comparison between the number of days occurring in the respective periods bears a close resemblance to the rainfall comparison.

These Tables could be extended further back to the year 1881, when the Jamaica Weather Service started, if time permitted. Nevertheless, it would appear that the investigation made so far has shewn that there is clear evidence of the effect of the Sunspot Cycle upon the atmospheric temperature of Kingston, Jamaica.

NEGRIL POINT LIGHTHOUSE.

A Table (A) on pages 7 and 8 giving the Meteorological results for Negril Point Lighthouse, situated at the extreme western point of the Island, for the year 1911, is appended.

The extreme maximum temperature was 92.0° on the 26th September, and the extreme minimum was 58.0° on the 13th January. The greatest range of temperature was 28.3° in the month of January and the least range was 19.0° in the month of June.

The greatest monthly rainfall was 6.45 inches in July, the average for 35-years being 5.83 inches shewing 0.62 inch in excess. The least rainfall was 1.54 inch in the month of March, as against the 35-year average of 2.77 inches. The total number of days with appreciable rainfall was 132 for the 12 months. The year's total rainfall was 43.52 inches as against the 35-year normal of 54.09.

The daily average wind recorded was 137 miles. The highest daily average was 178 in February, and the lowest was 104 in August.

The observations were conducted by Mr. Donald Levy, J.P., Superintendent of the Lighthouse.

J. F. BRENNAN,
Government Meteorologist.

Weather Office, Kingston,
20th January, 1942.

TABLE (A)—NEGRIL POINT, JAMAICA.—METEOROLOGICAL RESULTS FOR THE YEAR, 1941.

For Elevation, See Foot Note.

Month.	Barometer Pressure.		TEMPERATURE (FAH.)								Dewpoint and Relative Humidity.		Rainfall.		
	7 a.m.	3 p.m.	Mean.	7 a.m.	3 p.m.	Max.	Min.	Range.	Extremes for Month.		7 a.m.	3 p.m.	Actual Fall.	Av. for 35 yrs.	No. of Days with Rain.
	Ins.	Ins.							Max.	Min.					
January	29.970	29.928	76.0	71.7	81.0	83.9	69.2	14.7	86.3	58.0	66	63	2.32	1.73	9
February	.929	.888	75.9	71.4	81.5	83.1	69.7	13.4	87.3	59.3	66	71	2.09	1.86	6
March	.946	.911	76.4	72.2	81.7	83.8	69.9	13.9	87.0	63.0	66	68	1.54	2.77	3
April	.910	.870	79.7	76.4	84.9	87.0	72.5	14.5	91.0	69.3	69	71	2.75	2.92	9
May	.885	.856	79.9	78.0	82.9	86.5	74.2	12.3	88.5	69.2	72	74	6.41	6.25	13
June	.963	.934	80.2	79.3	84.9	88.6	73.8	14.8	90.7	71.7	72	76	2.30	5.51	12
July	.967	.940	80.0	78.2	85.3	88.8	73.7	15.1	91.3	70.3	71	74	6.45	5.83	15
August	.938	.915	80.9	78.0	85.0	89.0	73.4	15.6	90.9	69.3	72	75	5.36	6.50	17
September	.876	.837	80.2	77.7	86.2	89.0	73.9	15.1	92.0	69.1	73	75	3.44	6.71	9
October	.913	.867	80.3	76.9	84.9	88.8	72.6	16.2	91.3	69.5	71	74	5.15	8.21	21
November	.900	.845	79.7	75.3	85.7	87.6	72.2	15.4	89.8	67.2	71	74	3.76	3.83	8
December	.929	.887	78.8	73.1	85.0	87.1	69.9	17.2	88.6	66.8	68	73	1.95	1.97	10
Means	29.927	29.890	79.0	75.7	84.1	86.9	72.1	14.8	89.6	66.9	70	72			
Totals													43.52	54.09	132

Barometer pressure reduced to Standard of Kew, 32 degrees, gravity at Lat. 45° and Mean Sea Level. The 75th Meridian West of Greenwich, Standard Time used. Altitude of Barometer above Mean Sea Level 33 ft. Height of Thermometer above ground 4 ft. 6 ins. Height of Rain Gauge above the ground 6 ft. 6 ins. Height of Anemometer above the ground of 94 ft. to the 31st May, 1935, and 22 ft. above ground from 1st June, 1935.

TABLE (A.)—NEGRIL POINT—MEAN RESULTS, contd. for year 1941.

Month.	Wind, Miles per diem.	Wind from and Miles per hour.				Clouds: in Tenths.						Weather Conditions, etc.		
		7 a.m.	3 p.m.	11 p.m.	Lower.		Middle.		Upper.					
					7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.				
January	174	Var.	6.5	Var.	8.9	NE	6.5	1.3	3.7	1.2	1.0	1.0	0.4	Clear 14 days, Cloudy 17, Rain 9, Brisk Northers with Heavy Seas and very cold on 10th and 11th.
February	178	ENE	6.0	Var.	8.4	NE	7.0	0.6	1.8	2.1	2.2	0.7	0.6	Clear 4 days, Fair 12, Cloudy 8, Overcast 4, Rain 4 days, Bar. Dep. on 9th with 40 m.p.h. wind at 10 p.m. and Heavy Seas.
March	170	E	6.0	Var.	9.0	NE	5.3	0.6	2.5	1.6	2.0	1.5	0.2	Clear 4 days, Fair 14, Cloudy 10, Overcast 3, Rain 3 days, Heavy Seas 4 days.
April	171	ESE	5.6	SE	9.5	ENE	4.3	0.7	2.3	0.6	1	1.3	0.5	Clear 4 days, Fair 14, Cloudy 7, Overcast 5, Rain 9 days, Thunder and Lightning 5 days, Sever Earthquake on 7th at 6.30 p.m. minor shocks throughout the month.
May	134	ESE	4.3	ESE	7.5	NE	4.3	2.2	5.2	1.5	2.8	2.4	0.3	Clear 2 days, Fair 4, Cloudy 7, Overcast 18, Rain 13 days. Dist. Thunder 1 day, Thunder and Lightning 4 days, Heavy Seas 2 days.
June	110	E	3.3	SSE	7.7	NE	3.5	0.3	3.8	0.7	4.2	3.6	0.1	Clear 1, Fair 8, Cloudy 12, Overcast 9, Rain 12 days, Thunder 2 days, Severe Thunderstorms 2 days, Thunder and Lightning 13 days.
July	119	ESE	3.2	SSE	7.2	NE	3.2	0.4	4.6	1.0	3.9	3.1	0.5	Fair 4 days, Cloudy 14, Overcast 13, Rain 15, Thunder 2, Thunderstorms 11 days.
August	104	E	3.7	SSE	7.3	NE	3.2	0.0	3.7	0.8	4.1	2.1	0.6	Fair 5 days, Cloudy 13, Overcast 13, Rain 17, Dist. Thunder 4 days, Severe Thunderstorms 4 days, Thunder and Lightning 15 days, Rain squalls and 36 m.p.h. wind 2 10 p.m. causing local damage to trees.
September	141	ESE	4.0	SE	9.7	ENE	3.0	1.0	2.5	0.9	3.2	4.2	3.1	Fair 1 day, Cloudy 11, Overcast 18, Rain 9, Thunder 3, Thunder and Lightning 4 days, Severe Thunderstorms on 4th damaging telephone and all electrical apparatus at the Lighthouse.
October	113	ENE	4.2	WSW	7.6	NE	4.0	0.1	3.6	0.6	4	5.4	0.8	Rain 5 days, Cloudy 8, Overcast 18, Rain 21 days, Thunder 3 days, Thunderstorms 11 days.
November	112	ENE	4.6	NNE	8.1	NE	3.3	0.9	1.9	1.4	2	2.7	1.7	Clear 3 days, Fair 12, Cloudy 9, Overcast 6 days, Rain 8 days, Thunderstorms 3 days.
December	113	ENE	3.6	SSE	7.6	NE	3.3	1.0	1.5	0.3	3.5	1.8	1.3	Clear 1 day, Fair 18, Cloudy 5, Overcast 6 days, Rain 10 days.
Means	137	E	4.6	SSE	8.2	NE	4.2	0.8	3.1	1.1	3.0	2.4	0.8	Rainfall for the year 43.52 inches with 132 Rainy Days--Rainfall 10.57 inches below the yearly average.

TEMPERATURE—KINGSTON, JAMAICA.

TABLE (B)—showing the number of days recording Temperature of 90° (Fah.) and above during each month for the years 1931 to 1941.

Year.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1931	..	2	..	3	11	11	5	18	3	1	1	2	57
1932	1	..	1	..	4	7	19	11	17	4	..	3	67
1933	..	..	2	2	1	4	6	4	1	1	..	..	21
1934	..	..	..	..	..	2	9	7	1	2	..	1	22
1935	..	..	..	1	..	1	7	2	15	..	..	1	27
1936	..	..	1	1	1	2	13	7	3	3	3	..	34
1937	..	..	1	..	2	18	10	15	6	..	..	..	52
1938	..	..	..	..	1	6	10	10	3	5	6	3	44
1939	..	1	..	..	..	3	12	16	16	17	4	..	69
1940	1	..	1	2	2	15	23	24	14	11	10	11	114
1941	1	..	1	8	14	26	21	27	25	24	14	7	168
Means	..	..	1	2	3	9	12	13	9	6	3	3	61

TABLE (C)—shewing the number of days recording Temperature below 70° (Fah.) during each month for the years 1931 to 1941.

Year.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1931	16	14	11	1	..	..	..	..	..	..	6	22	70
1932	29	27	15	6	5	..	..	..	..	1	1	14	98
1933	25	26	20	10	3	..	1	1	4	..	10	25	125
1934	31	27	31	25	4	1	..	2	..	2	11	20	154
1935	28	24	28	13	..	..	..	..	..	2	13	23	131
1936	24	24	16	7	1	..	..	1	2	5	5	23	108
1937	23	28	23	4	4	..	..	..	..	..	3	14	99
1938	24	26	27	20	2	..	..	..	..	1	4	17	121
1939	27	27	31	24	5	..	..	..	..	..	3	7	124
1940	20	15	18	3	2	..	..	..	..	..	4	6	68
1941	23	19	20	8	1	..	..	..	..	..	..	6	77
Means	25	23	22	11	2	..	..	..	1	1	6	16	107

TABLE (D)—Shewing Temperature Means and Rainfall Averages in relation to Sunspot Periods, for the years 1931 to 1941.

Year.	Annual Means of Extreme Monthly Maximum.	Annual Means Temperature.	Total Rain- fall in inches.	Rain-days.	Sunspot Cycle. (Aprox.).
1931	(1) 91.5	(2) 79.4	(3) 37	(4) 94	Minimum
1932	91.0	79.2	30	99	
1933	90.5	78.3	86	117	
1934	89.7	78.1	29	103	
1935	90.5	78.3	32	79	
1936	90.5	78.8	41	101	Maximum
1937	90.5	78.9	32	100	
1938	90.8	78.8	24	78	
1939	91.0	78.6	59	115	
1940	91.9	79.6	21	86	
1941	92.9	80.2	31	85	





JAMAICA
WEATHER REPORT.
FOR THE MONTH OF
FEBRUARY, 1942.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first two standards only. Thermometers are exposed in Stevensons Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) cloud cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure.		Temperature. (F.)					Extreme Temperature. (F.)			
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.
	ft.	ins.	ins.	°	°	°	°	°	°		°	
Morant Point Light House	8	29.940	29.899	76.4	81.3	82.9	74.1	8.8	85.3	27	68.0	27
Kingston	24	29.903	29.857	71	85.5	87.8	70.4	17.4	92.7	25	65.9	5
Negril Point Light House	33	29.898	29.856	71.9	81.9	84.5	69.5	15.0	87.3	13	63.8	1
Montego Bay†	33	..	..	70.0	83.5	86.4	67.1	19.3	92.0	28	64.9	2
Castleton Gardens*	496	..	..	63.9	81.0	84.8	63.5	21.3	90.5	28	58.5	3
Hope Gardens *	668	29.930	29.848	70.3	82.1	91.2	62.4	28.8	92.0	11*	62.0	8*
Hill Gardens, Blue Mountains	4,900	25.211	25.177	59.5	65.2	68.3	55.6	12.7	73.0	25*	52.3	4

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.		3 p.m.			
		°	%	°	%			ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.
Morant Point Light House	8	70	82	71	73	4.19	291	ENE	13.0	ENE	15.0	3.0	2.9	1.1	2.1	3.9	0.1
Kingston	24	65	81	70	60	0.10	179	NNE	5.3	SE	12.4	0.8	0.5	0.4	2.2	2.3	0.0
Negril Point Light House	33	67	85	76	82	1.17	165	NE	5.3	NNE	9.0	1.8	1.1	0.2	3.6	1.5	0.5
Montego Bay	33	67	90	76	79	1.89	..	NE	..	NE	..	..	..	..	..	..	..
Castleton Gardens	496	62	94	71	72	2.20	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	64	83	72	72	0.66	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mtns.	4,900	54	83	61	85	4.30	..	..	..	..	..	..	..	..	..	..	..

* And on other days.

* Hope Gardens—observations made at 9 a.m. and 3 p.m.

† Montego Bay—observations made at 8 a.m. and 3 p.m.

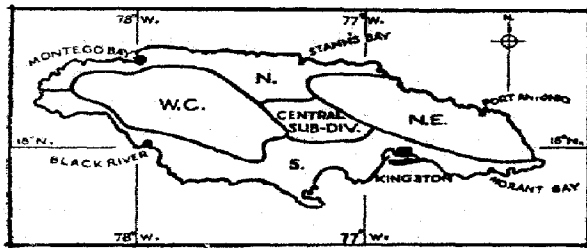
† Not taken—

THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929". In obtaining the mean rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-eastern and West-central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica", following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



February, 1942.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION (N.E.)	Ins.	Ins.			Ins.
Manchioneal	4.89	3.50	22	9	5.07
Ecclesdown	11.34	5.43	22	17	
Priestman's River	1.38	0.75	22	7	4.42
Bath	2.25	0.50	22	12	4.24
Barrett's Gap	4.61	1.17	21	14	
Millbank	16.61	3.33	21	18	
Bowden Pen	13.15	4.28	21	20	
Moore Town	20.05	6.00	21	20	12.67
Port Antonio	9.05	4.30	22	8	5.80
Passley Garden	11.54	4.89	2	12	
Fellowship	30.32	13.92	2	14	9.87
Johnson River Br.	3.05	1.27	7	5	2.33
Trinity Ville	2.71	1.14	7	5	
Fruitful Vale	20.29	10.57	21	9	
Shrewsbury	22.40	6.10	2	10	
Hope Bay	17.29	7.59	2	8	
Cedar Valley	2.86	1.20	7	7	2.54
Swift River	19.04	6.70	21	12	
Lennox	27.91	10.00	21	9	
Greenvale	10.40	3.29	20	12	12.12
Darley	22.02	10.36	2	14	
Spring Garden					5.64
Hill Gardens	3.33	0.75	9	14	4.27
Buff Bay	18.26	7.82	2	9	7.54
Buff Bay R. Est.	14.30	5.00	2	12	
Belvedere, Portland	12.86	5.61	22	5	9.61
Windsor Castle, do.	13.20	8.50	22	5	5.59
Balcarras	14.38	4.50	21	15	
Mt. Holstein	7.04	2.26	14	15	8.70

February, 1942.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION, contd.	Ins.	Ins.			Ins.
Cedar Hurst	2.69	0.94	14	13	
Hardware Gap	3.30	0.91	21	10	3.99
Rose Hill	2.71	0.60	21	11	4.48
Mount Cressy	6.64	2.30	14		
Hermitage	1.30	0.39	7	11	
Mount Airy	3.13	1.21	14	9	
Stony Hill Ind. Sch.	1.74	0.90	21	6	2.32
Brandon Hill	2.03	0.51	21	8	
Enfield	7.64	2.83	2	4	
Agualta Vale	9.06	3.34	21	9	5.12
Castleton Gardens	2.20	0.85	14	4	5.31
Water Valley	6.35	2.50	21	6	4.81
Albany					4.62
Platfield	1.80	1.04	21	10	
Lawrence Tavern	3.09	1.20	1	8	2.48
Wey Hill	1.22	0.50	21	7	
Richmond, St. Mary	4.30	1.70	21	7	4.41
Quebec, St. Mary	7.44	3.50	21	7	4.37
Above Rocks	1.61	0.85	21	4	
Glengoffe	2.17	1.30	10	3	
Carew Castle	1.01	0.48	7	4	2.22
Hampstead, St. Mary	4.70	1.80	2	5	6.29
Windsor Castle do.	4.08	1.95	21	9	
Troja	1.80	0.40	7	4	
Pear Tree Grove	1.87	1.87	21	1	
Guy's Hill	2.85	1.00	21	7	3.96
Lucky Hill	2.99	1.25	21	8	4.95
Rio Hoe	2.41	1.00	21	8	3.88
Unity Valley	4.03	2.22	21	8	3.55
Moneague	3.47	1.52	22	12	3.97
Claremont	2.45	0.90	21	11	3.96
Averham Park	3.04	1.60	21	15	4.46
Albion	2.91	0.97	21	8	3.63
NORTHERN DIVISION (N)					
Port Maria	9.07	5.32	21	8	5.00
Wentworth					
Jacks River	6.52	3.10	21	9	
Oracabessa	11.01	6.70	21	5	
Retreat	4.84	1.87	21	7	
Huddersfield	4.77	2.90	21	5	
Exchange	3.94	2.14	22	3	
Ocho Rios	3.62	1.84	21	7	3.48
Rockfield	6.22	2.17	21	15	5.22
Liberty Hill	4.01	1.30	22	12	4.46
St. Ann's Bay	4.35	0.90	22	9	4.60
Richmond Estate	2.90	0.77	2	10	4.10
Runaway Bay	1.95	0.68	2	4	2.26
Knapdale	4.65	0.83	9	14	
Alexandria	2.37	0.98	6	5	2.93
Bel-Air	4.10	0.75	2	10	
Brown's Town	5.31	1.70	21	12	4.29
Wilton	3.25	0.55	9	11	
Watt Town, St. Ann	5.15	1.50	23	8	2.90
Home Castle					3.30
Stewart Town	2.96	1.01	22	6	
Arcadia	2.10	0.80	2	9	2.61
Vale Royal	1.89	0.46	21	12	2.59
Duncans	3.37	1.86	2	7	
Clark's Town	3.28	0.67	21	7	
Gibraltar	2.38	0.50	21	8	
Falmouth	2.76	1.23	21	8	1.82

February, 1942.						February, 1942.					
STATIONS.	Total Fall.	Greatest fall in 2 hours.		Days on which 0.01 or more fell.	Average.	STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Adelphi	2.97	1.00	2	10		Wait-a-bit	4.43	2.08	21	11	
Irwin	3.80	2.00	1	8		Christiana	1.08	2.14	21	7	2.61
Barrett Hall					2.23	Holmwood	1.37	0.60	9	6	
Success						Clifton Hill	3.32	2.00	2	3	2.68
Cornwall					2.36	Kendal, Manchester	1.14	0.47	21	5	2.49
Rose Hall					2.54	Mereworth	1.43	0.48	2	8	
Cinnamon Hill					1.53	Mandeville	2.14	0.82	18	4	2.68
Tryall					2.17	Ulster Spring	1.32	1.40	21	13	3.43
Running Gut					2.44	Greenvale	4.28	1.28	21	9	
Spring Estate					2.27	Albert Town	3.07	0.92	21	8	3.06
Friendship	3.24	1.75	1	10		Craig Head	1.00	1.50	21	3	
Windsor Lodge	3.26	1.42	2	5		Warsop	7.77	3.20	21	4	
Latium	3.46	0.90	2	8		Troy	5.34	2.60	21	5	3.09
Retirement	3.79	1.83	1	6	1.29	Wallingford	1.46	3.30	21	8	3.43
Rose Mount						Balaclava	2.59	1.73	21	3	2.50
Montego Bay	1.89	0.76	1	8	1.83	Braes River	3.32	1.80	22	5	
Anchovy	1.26	0.40	1	17	1.41	Wakefield	2.07	0.67	2	8	
Hopewell	2.98	1.35	1	8		Appleton	5.93	4.60	21	6	
Blue Hole	1.75	0.75	2	6	3.79	Aberdeen	4.87	3.45	21	5	
Cascade	2.62	0.76	18	8		Accompong					3.46
Lucea	0.90	0.60	18	5	3.36	Maggotty					
Haughton Court	0.78	0.53	18	6	2.13	Lacovia	2.46	1.70	21	4	
Kendal-Hanover	2.34	1.16	18	10		Mulgrave	4.14	1.60	21	9	
Blenheim	0.65	0.20	20	4		Holland					
Cousins Cove	0.81	0.33	18	12		Ipswich	4.64	1.82	21	10	
Green River	1.90	1.15	18	5		Ginger Hill					
Green Island	1.59	1.20	18	6	2.12	Kempshot	3.79	1.21	1	12	2.71
Haughton Hall	2.58	1.45	18	11		Garlands					
CENTRAL SUB-DIVISION.						Mocho, St. James					
Knollis	2.67	1.50	8	4		Catadupa	8.00	3.85	21	8	
Highgate (St. Cath.)	3.03	0.91	21	9		Cambridge	1.89	0.97	21	6	3.11
Rio Magno	2.06	1.19	21	3		New Market	4.00	2.64	21	7	3.23
Riversdale	1.06	0.55	7	5		Springfield	2.66	2.00	21	5	4.05
Headworks, R.C.C.	2.53	2.34	21	3	1.64	Petersville	3.92	1.80	21	6	
Bog Walk	1.93	1.50	21	2		Kew Park	5.84	3.70	21	8	
Linstead	4.30	2.42	21	9	2.17	Seaford Town	4.28	1.85	21	8	2.84
Ewarton	1.59	1.50	21	2		The Bog	3.27	1.50	21	6	
Cave Valley	3.86	1.43	9	5	2.14	Exeter	3.95	2.90	21	13	4.05
Guanaboa Vale	1.00	1.00	14	1		Bethel Town Dist.	3.77	1.50	21	9	
Point Hill	1.20	0.57	22	5	3.37	Burnt Ground	4.57	3.55	21	6	4.02
Brown's Hall	2.68	0.65	22	9	2.18	Copse					2.67
Bellas Gate	1.29	0.75	12	4	1.67	Haughton Grove	2.05	0.67	18	9	
Rock River	0.42	0.42	21	1		Knockalva	4.50	2.70	21	5	2.92
Crofts Hill	1.65	1.35	21	4	1.47	Darliston	5.20	3.02	21	8	
Kellitts	1.41	0.78	21	4		Whithorn	1.85	0.75	19	4	3.62
Suttons						Water Works Pen	1.23	0.83	21	3	3.03
Colonel's Ridge	2.04	1.26	21	5		Williamsfield, Wld.	1.96	0.65	21	8	3.20
Chapelton	1.01	0.85	21	3	1.58	Petersfield	4.34	1.77	22	6	
Crooked River	2.93	1.50	21	5		Bauk	2.19	1.06	20	7	
James Hill	2.95	0.86	20	8		Askenish	3.33	1.98	21	11	
Frankfield	3.47	1.60	8	6	2.29	Grange Hill	2.36	0.50	2	9	3.06
WEST-CENTRAL DIVISION (W.C.)						Mount Eagle					
Mocho, Clarendon	2.51	1.03	2	5	1.66	King's Vale	4.75	3.44	21	8	2.75
Thompson Town	2.49	0.88	21	6		SOUTHERN DIVISION, (S).					
Porus						Morant Point L. H.	0.17	0.08	18	3	2.62
Boro-bridge	4.67	3.60	21	3		Golden Grove	4.19	1.75	6	14	2.73
Spaldings	2.59	1.35	21	5	2.83	Pleasant Hill					
Williamsfield	1.04	0.45	18	3		East Prospect	3.33	1.82	6	10	2.53
Brokenhurst	1.20	0.46	2	4	2.47	Morant Bay	4.79	3.54	6	10	2.52
Shooter's Hill					2.18	Lloyds	1.32	0.45	11	7	1.95
						Yallahs	2.54	0.99	7	9	
						Easington	0.62	0.47	7	3	
						Mavis Bank	3.11	2.05	22	3	1.36
							2.16	0.83	7	6	

STATIONS.	February, 1942.					STATIONS.	February, 1942.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, <i>contd.</i>	Ins.	Ins.			Ins.	SOUTHERN DIVISION, <i>contd.</i>	Ins.	Ins.			Ins.
Bull Bay HARBOUR HEAD	0.15	0.10	22	2	0.42	Pennants	2.15	1.30	21	4	..
Dallas Castle	3.69	2.19	22	6	..	Cottage	0.66	0.36	6	3	..
Gordon Town	2.62	1.00	9	5	1.77	Belle Plain	2.93	2.06	2	4	..
Irish Town	1.60	0.60	9	4	1.65	Milk River	1.81	0.96	7	2	1.20
Hope Gardens	0.66	0.27	6	6	1.26	Retrieve	0.32	0.20	13	2	1.76
Bamboo Pen	0.38	0.18	10	3	..	Stone's Hope	4.46	2.83	21	6	2.15
Plumb Point L.H.	0.30	0.30	10	1	1.65	Newport, Man.	1.02	0.32	2	4	2.55
King's House Gar.	0.67	0.34	7	5	1.22	Alligator Pond	0.45	0.38	18	2	1.33
Up-Park Camp	..	..	..	..	..	Myersville	1.81	0.80	13	5	..
Cavaliers	0.55	0.48	21	3	..	Goshen	2.66	1.84	21	4	..
St. George's College	0.32	0.12	21	5	..	Munro	1.86	0.55	22	11	..
Upper Kingston	0.23	0.10	21	4	0.89	Windsor, St. Eliz.	2.25	0.92	21	9	..
Parade Garden	0.14	0.06	10	3	..	Torrington	1.13	0.40	21	3	2.45
Shortwood College	1.02	0.50	21	6	..	Santa Cruz	3.07	1.52	21	5	2.47
Kingston P.W.O.	0.10	0.04	22	4	0.61	Hounslow	0.75	0.32	21	3	..
Constant Spring	1.46	0.96	21	8	..	Pedro Plains	..	..	..	..	1.38
Halfway Tree	0.18	0.11	21	3	0.85	Mountainside	2.00	0.86	9	5	2.27
Clifton Pen	0.08	0.05	2	2	0.64	Fort Charles	0.00	..	..	0	..
Twickenham Park	0.00	..	..	0	..	Black River	1.89	0.82	21	5	1.70
Red Hills	3.02	2.05	21	4	..	Mt. Charles	3.69	2.55	21	11	..
Quarantine Station	0.34	0.15	23	3	0.44	Mount Edgecombe	3.38	2.43	21	10	2.47
Hematine	0.00	..	..	0	1.43	Bluefields	2.35	0.73	21	8	..
Spanish Town	0.33	0.17	21	3	1.33	Sav.-la-Mar	2.67	1.33	21	7	2.08
Hog Hole, St. Cath.	0.31	0.24	21	2	1.72	Little London	1.52	0.56	6	9	3.12
Old Harbour	0.98	0.53	2	3	1.77	Retreat	..	..	..	..	2.71
May Pen	1.27	0.79	7	2	1.77	Sheffield	1.24	0.80	21	..	..
Glen Muir	1.15	0.50	7	3	..	Negril Point L.H.	1.17	0.37	21	7	1.86

NOTES.

COMPARATIVE TABLE OF RAINFALL
AND DAYS ON WHICH RAIN FELL.

DIVISIONAL AND ISLAND RAINFALL.	February.			
	Rainfall, inches.		Days on which Rain fell.	
	1942.	Ave.	1942.	Ave.
North-eastern	6.33	5.48	9	10
Northern	2.96	2.48	7	6
West-central	3.03	2.84	7	7
Southern	1.55	1.72	5	6
The Island means	3.47	3.13	7	7

SHOCKS OF EARTHQUAKE IN FEBRUARY, 1942.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
8th	5.40 a.m.	I	Platfield
"	"	"	Kempshot
"	"	"	Seaford Town
"	"	"	Munro
"	"	"	Sheffield

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND—FEBRUARY.

The mean rainfall for the Island was slightly above normal. The Southern Division was deficient, but all the other Divisions were above the average.

The greatest precipitation occurred on the 21st and 22nd, but there were also heavy rains on the 2nd.

The greatest total fall for the month was 30.32 inches at Fellowship in the North-eastern Division, and the heaviest fall in 24 hours was 13.92 inches at the same station on the 2nd.

The mean number of rain days was 7, which is the average for the month. Bowden Pen and Moore Town, in the North-eastern Division, had the greatest number—20 each.

The mean rainfall in each parish is given below, compared with the 10-year average. Portland, with 14.80 inches, was highest; St. Mary, with 5.44 inches, second; and St. Ann, with 3.70 inches, was third. Kingston, with 0.22 inch, was lowest.

Parish.	1942.	10-year Average.	Parish.	1942.	10-year Average.
	Inches.	Inches.		Inches.	Inches.
Kingston	0.22	0.61	St. James	3.45	2.20
St. Andrew	1.88	2.51	Hanover	2.07	1.93
St. Thomas	2.95	2.70	Westmoreland	3.01	2.90
Portland	14.80	7.77	St. Elizabeth	2.86	3.31
St. Mary	5.44	4.93	Manchester	2.16	3.09
St. Ann	3.70	3.45	Clarendon	2.12	2.26
Trelawny	3.52	2.76	St. Catherine	1.68	2.57

CITY OF KINGSTON.

The total rainfall for the month of February was 0.10 of an inch, the 60-year normal being 0.61 inch. There were four days with appreciable rainfall. The greatest fall in 24 hours was 0.04 inch on the 22nd. The Upper Boundary of Kingston gauged 0.23 inch.

Distant rain was observed to the northeast and east on one day each.

The mean barometric pressure was 29.894 inches, the 33-year normal being 29.891 inches, shewing 0.003 inch above the normal. Highest reading was 29.966 inches on the 28th, at 3 p.m., and the lowest 29.751 inches on the 24th at 3 p.m. at the time of a small depression to westward. Readings are corrected for diurnal variation.

The mean temperature was 78.2°, being 2.5° above the 33-year normal of 75.7°. Highest maximum 92.7° on the 25th, and the lowest minimum 65.9°, on the 5th. The extreme monthly range was, therefore 26.8°. The maximum temperature was 90° and above 6 times, and the minimum temperature 70° and above 13 times. On the other hand, the lowest maximum was 82.3° on the 7th and the highest minimum 74.6° on the 16th and 24th. Greatest range 22.7° on the 20th and the least 12.4° on the 24th.

The mean daily miles of wind, registered, was 179, the 25-year normal being 174 or 3% above the average. The greatest number of miles of wind recorded in 24 hours was 399 on the 16th and the least 96 on the 10th. South-east squall on the 15th at 3 p.m. Southeast wind early on 2 occasions and throughout the night once. Greatest velocity of short duration 36 miles per hour on the 16th at 1.45 p.m. Moderate "northers" of short duration on the 2nd, 25th and 26th.

The mean relative humidity was 74%, the 33-year normal being 78% or 4% below the mean. The mean 7 a.m. was 81% and the mean 3 p.m. 60%. Lowest 7 a.m. 67% on the 26th, and lowest 3 p.m., 47% on the 25th.

Overcast conditions prevailed in the early forenoon on 5 occasions and in the afternoon on 11 occasions.

Total evaporation for the month 7.24 inches, the normal being 4.90 inches. This excess of evaporation is no doubt owing to deficiency of rainfall and to excess of 2.5° of mean temperature.

Mean daily number of sunshine hours 8.3.

WEATHER DISTURBANCE.

On the 24th February, a slight barometric depression appeared to have shown development to the westward of Negril Point, with increasing intensity. The Kingston barometer indicated about $1\frac{1}{4}$ tenth below the normal, with a gradient from Negril Point Lighthouse of about 0.100 inch.

Southerly wind of 25 miles per hour with heavy seas was reported at Negril Point, followed by rainsqualls. Notices by telegraph were circulated, warning the western parishes.

This depression appeared to have dissipated, or probably formed as a subsidiary disturbance arising from a region of low pressure passing from west to eastward in the latitude of Florida.

Barometric pressure shewed tendency to rise on the 26th February. On the 25th lower cloud drift was consistently from the westward.

Barometric depressions in February are rare, for only 4 cases are on record for the past 20 years.

MORANT POINT LIGHTHOUSE.

A Table giving the Meteorological Results for the station at Morant Point Lighthouse (situated at the extreme eastern end of the Island) for the year 1941, is appended.

The extreme maximum temperature was 91.5° on the 12th of November, and the extreme minimum was 65.5° on the 10th of January. The extreme range for the year was therefore 26.0°. The greatest monthly range was 21.3° in November, and the least was 13.6° in July.

The greatest monthly rainfall was 7.60 inches in October and the least was 0.92 inch in March. There were 146 days with appreciable rainfall during the year. December had the greatest number, 19, and April the least, 5. The total rainfall for the year was 44.86 inches, as against the 60-year average of 66.67 inches, shewing a deficit of 21.81 inches. The average fall for each day with rain (146) was approximately 0.31 inch.

The mean total daily miles of wind was 305. July recorded the greatest number with 375, followed by June with 345 and November the least with 241.

The observations were conducted by Mr. C. N. Rutty, Superintendent of the Lighthouse.

J. F. BRENNAN,
Government Meteorologist.

Kingston, Jamaica,
March 20th, 1942.

MORANT POINT, JAMAICA.—METEOROLOGICAL RESULTS FOR THE YEAR, 1941.

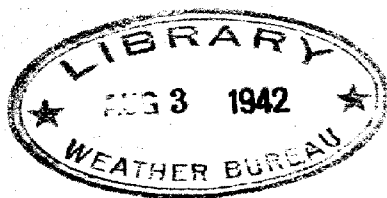
FOR ELEVATION, &c. (See Foot Note.)

Month.	Barometer Pressure.		TEMPERATURE (FAH.)								Dewpoint and Relative Humidity.		Rain-fall.	No. of Days of Rain.			
	7 a.m.	3 p.m.	Mean.	7 a.m.	3 p.m.	Max.	Min.	Range.	Extremes for Month.		7 a.m.	3 p.m.					
									Max.	Min.					Range.		
	Ins.	Ins.	°	°	°	°	°	°	°	°	°	%	Ins.				
January ..	30.005	29.965	78.0	76.8	80.4	82.3	74.7	7.6	85.9	65.5	20.4	86	74	81	5.31	12	
February ..	29.972	29.930	78.4	76.7	80.9	83.4	74.9	8.5	87.9	69.3	18.6	73	87	75	80	2.20	9
March ..	29.987	29.953	79.0	77.4	81.5	84.2	75.0	9.2	88.0	70.0	18.0	72	84	73	76	0.92	9
April ..	29.955	29.879	80.3	78.8	83.1	85.5	76.0	9.5	88.2	68.2	20.0	72	80	74	74	4.71	5
May ..	29.928	29.895	81.2	80.8	82.1	85.7	78.1	7.6	87.7	70.1	17.6	77	86	78	86	3.92	11
June ..	30.007	29.971	83.4	82.5	85.9	87.9	79.2	8.7	91.1	73.5	17.6	77	86	77	76	1.09	13
July ..	30.044	29.983	83.4	82.7	85.6	87.5	79.9	7.6	89.1	75.5	13.6	77	82	78	78	2.19	14
August ..	29.975	29.946	84.5	83.7	86.6	88.8	80.9	7.9	90.3	75.0	15.3	78	83	79	78	2.33	14
September ..	29.913	29.879	83.5	82.7	86.0	88.2	79.1	9.1	90.0	73.7	16.3	77	84	78	76	5.38	11
October ..	29.947	29.901	82.9	82.2	85.2	87.3	78.9	8.4	88.8	72.0	16.8	76	82	77	76	7.60	12
November ..	29.929	29.879	81.7	80.9	83.7	86.5	77.7	8.8	91.5	70.2	21.3	75	82	75	75	2.18	17
December ..	29.967	29.933	80.7	80.4	82.9	84.9	76.8	8.1	86.9	72.5	14.4	74	83	75	77	7.03	19
Means ..	29.969	29.926	81.4	80.5	83.6	86.0	77.6	8.4	88.8	71.3	17.5	75	84	76	78	...	...
Totals ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	44.86	146

Barometer pressure reduced to Standard of Kew, 32 degrees, gravity at Lat. 45° and Mean Sea Level. The 75th Meridian West of Greenwich, Standard Time used. Altitude of Barometer above Mean Sea Level 8 ft. Height of Thermometer above ground 4 ft. 6 ins. Height of Rain Gauge above the ground 3 ft. Height of Anemometer above the ground 18 ft.

MORANT POINT, 1941—MEAN RESULTS, contd.

Month.	Wind, Miles per diem.	Wind: from and Miles per hour.		Clouds in Tenths.						Weather Conditions, etc.
				Lower.		Middle.		Upper.		
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	
January	320	NE 13	NE 10	3.7	3.1	2.2	2.4	0.5	0.7	Overcast 1 day.
February	284	ENE 12	ENE 10	3.1	2.5	3.0	3.9	0.7	0.8	Overcast 6 days.
March	308	NE 13	NE 11	2.2	2.2	3.4	2.7	1.1	0.7	Overcast 3 days.
April	283	NE 12	NE 12	2.5	2.3	2.9	3.5	0.6	0.6	Overcast 2 days. Earthquake 7th at 6.30 p.m. and 10.50 p.m.
May	315	ENE 13	E 12	3.5	3.1	4.0	3.5	0.6	1.0	Overcast 7 days.
June	345	E 14	E 13	2.9	2.4	3.1	2.9	1.1	1.3	Overcast 3 days. Thunderstorm 12th and 30th. Lightning 29th.
July	375	E 17	E 14	3.5	2.8	3.6	3.3	1.4	1.2	Overcast 8 days. Thunderstorm 5th.
August	295	E 13	E 13	2.7	2.2	2.8	3.4	1.3	1.3	Overcast 3 days. Lightning 12th and 20th.
September	314	E 16	E 13	3.4	2.4	3.2	3.4	1.2	1.8	Overcast 5 days. Thunderstorm 13th. Lightning 12th.
October	274	E 13	E 11	2.4	2.6	3.2	3.0	1.4	1.0	Overcast 3 days. Thunderstorm 2nd and 15th.
November	241	ENE 13	ENE 12	2.4	2.1	3.6	3.2	1.2	1.2	Overcast 2 days. Thunderstorm 26th. Lightning 24th and 25th.
December	311	E 17	E 13	2.7	2.7	3.4	3.6	0.7	0.3	Overcast 3 days. Lightning 3rd.
Mean	305	E 13.8	E 12	2.9	2.5	3.2	3.2	1.0	1.0	Overcast 46 days, thunderstorm 7 days and lightning 7 days.



No. 795



JAMAICA WEATHER REPORT. FOR THE MONTH OF MARCH, 1942.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32°, gravity at Lat. 43° and mean sea-level. The bar. at Hill Gardens is reduced to the first two standards only. Thermometers are exposed in Stevensons Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) cloud cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure.		Temperature. (F.)					Extreme Temperature. (F.)			
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.
	ft.	ins.	ins.	°	°	°	°	°	°		°	°
Morant Point Light House	8	29.972	29.925	78.2	83.1	85.0	72.6	12.4	87.0	31	68.2	3
Kingston	24	29.929	29.869	73.7	86.0	89.6	71.9	17.7	93.1	20	69.8	13*
Negril Point Light House	33	29.926	29.876	73.9	83.5	86.5	70.4	16.1	89.3	30	66.5	7
Montego Bay†	33	..	..	70.7	86.8	89.2	68.2	21.0	93.5	21	65.5	5*
Castleton Gardens*	496	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens *	668	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mountains	4,900	..	..	..	..	..	..	..	..	..	..	..

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.	3 p.m.	7 a.m.			3 p.m.				
	ft.	°	%	°	%	ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Point Light House	8	71	80	73	70	1.56	285	NE	16.0	NE	15.0	0.6	4.1	0.5	0.6	3.9	1.3
Kingston	24	66	78	71	62	0.10	233	NE	5.5	SE	19.2	0.3	0.9	1.8	2.9	0.2	
Negril Point Light House	33	69	85	71	67	1.72	154	NE	4.5	NE	9.2	1.4	0.6	0.7	1.4	4.8	0.6
Montego Bay	33	69	93	78	74	8.25	..	ESE	..	NE	..	..	..	..	..	..	..
Castleton																	
Gardens	496	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens,																	
Blue Mtns.	4,900	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

* And on other days.

* Hope Gardens—observations made at 9 a.m. and 3 p.m.

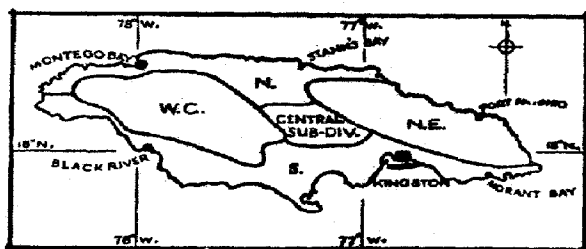
† Montego Bay—observations made at 8 a.m. and 3 p.m.

THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929". In obtaining the mean rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-eastern and West-central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica", following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



March, 1942.											
STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.						
		Amount.	Date.								
NORTH-EASTERN DIVISION (N.E.)						Ins.	Ins.			Ins.	
Manchioneal	1.62	0.64	9	5	3.08						
Ecclesdown	6.77	1.59	9	17							
Priestman's River	1.31	0.07	10	4	4.28						
Bath	3.43	1.38	9	11	4.29						
Barrett's Gap	3.61	0.60	18	14							
Millbank	5.30	1.07	3	13							
Bowden Pen	6.68	1.60	9	20							
Moore Town	11.25	2.50	10	13	9.97						
Port Antonio	5.73	3.00	9	10	4.74						
Passley Garden	5.86	3.69	9	8							
Fellowship	7.73	2.63	9	6	7.25						
Johnson River Br.	1.82	1.53	23	3	2.76						
Trinity Ville	0.81	0.63	23	4							
Fruitful Vale	5.52	1.74	15	6							
Shrewsbury											
Hope Bay	9.13	4.20	9	7							
Cedar Valley	0.67	0.45	26	3	3.60						
Swift River	9.06	5.00	10	9							
Lennox	5.65	2.70	10	7							
Greenvale	5.21	3.70	10	5	10.12						
Darley	5.68	2.10	9	10							
Spring Garden	8.50	3.00	9	6	5.81						
Hill Gardens					4.55						
Buff Bay	9.77	3.33	9	8	5.35						
Buff Bay R. Est.	6.32	2.33	10	7							
Belvedere, Portland	5.90	3.69	10	5	6.53						
Windsor Castle, do.	7.90	3.30	10	4	5.49						
Balcarres	5.18	2.30	10	6							
Mt. Holstein	1.14	0.62	10	5	7.00						
NORTHERN DIVISION (N)											
Port Maria	4.87	3.41	9	6	3.06						
Wentworth											
Jacks River	6.09	2.36	9	10							
Oracabessa											
Retreat	6.73	2.30	9	6							
Huddersfield	4.49	1.74	9	6							
Exchange	2.53	1.10	30	4							
Ocho Rios	3.52	1.75	9	6	2.50						
Rockfield	3.47	1.08	9	11	3.41						
Liberty Hill	3.27	1.40	7	9	3.67						
St. Ann's Bay	5.58	2.65	9	7	2.94						
Richmond Estate	6.57	3.24	6	7	2.71						
Runaway Bay	3.68	2.19	9	3	1.45						
Thatchfield	6.02	3.52	6	7							
Knapdale	4.72	2.54	6	7							
Alexandria	2.04	0.70	12	5	1.91						
Bel-Air	4.10	1.55	9	6							
Brown's Town	3.92	2.30	6	8	3.05						
Wilton	4.80	3.36	6	6							
Watt Town, St. Ann	3.42	2.02	21	7	2.28						
Home Castle	5.65	3.40	6	5	2.64						
Stewart Town	5.39	4.55	6	5							
Arcadia	3.90	2.75	6	4	2.05						
Vale Royal	5.14	3.41	6	4	2.32						
Harmony Hall					2.04						
Duncans	3.70	1.95	9	4							
Clark's Town	3.58	2.66	6	3							
Gibraltar	5.91	2.95	6	7							
Falmouth	5.17	3.27	9	4	1.71						

March, 1942.						March, 1942.					
STATIONS.	Total Fall.	Greatest fall in 2 hours.		Days on which 0.01 or more fell.	Average.	STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Maroon Town						Wait-a-bit	8.52	2.56	24	15	
Adelphi	3.51	1.71	6	3		Christiana	6.44	1.75	26	10	1.23
Windsor Lodge	4.55	1.05	10	5		Holmwood	6.33	1.85	27	7	
Latium	3.95	1.46	6	6		Clifton Hill	10.88	2.90	28	7	2.52
Barrett Hall						Kendal, Manchester	7.64	1.75	28	11	3.28
Success					1.74	Appleton					
Rose Hall					1.64	Mereworth	7.03	2.95	28	12	
Cinnamon Hill					1.69	Mandeville	8.18	2.46	28	8	4.18
Tryall					1.60	Ulster Spring	7.27	1.78	23	12	4.09
Running Gut					1.55	Greenvale	4.73	1.35	10	9	
Spring Estate					1.52	Albert Town	7.42	2.75	24	5	4.05
Friendship	3.65	1.65	9	4	2.43	Craig Head	7.87	2.42	27	7	
Irwin	3.91	1.78	9	6		Warsop	10.23	2.80	26	12	
Retirement	5.03	2.58	7	5	3.02	Troy	7.75	2.70	27	6	5.88
Rose Mount						Wallingford	10.72	3.30	25	11	4.70
Montego Bay	8.25	2.68	9	5	1.65	Balaclava	7.90	1.75	25	9	4.47
Anchovy	4.11	2.36	10	7	2.13	Braes River	5.83	1.81	26	10	
Hopewell	4.37	1.48	9	7		Wakefield	4.59	2.14	10	6	
Blue Hole	4.42	1.53	10	9	3.01	Aberdeen	11.16	2.70	6	11	
Cascade	10.24	1.93	10	13		Accompong					
Lucea	10.52	3.86	6	11	2.37	Maggotty	7.86	2.70	6	8	5.93
Haughton Court	9.02	4.32	10	9	2.22	Lacovia	7.10	2.11	26	8	
Kendal—Hanover	10.45	3.50	31	13		Mulgrave	12.91	2.46	9	9	
Blenheim	10.51	4.73	10	24		Holland					
Cousins Cove	10.85	5.05	10	9		Ipswich	9.86	1.82	6	9	
Green River	6.45	1.50	31	13		Ginger Hill					
Green Island	7.94	2.54	10	8	3.29	Kempshot	5.30	2.72	10	10	3.11
Haughton Hall	6.43	1.38	6	14		Garlands	6.74	1.67	26	10	
CENTRAL SUB-DIVISION.						Mocho, St. James					
Knollis	0.55	0.36	25	2		Catadupa	9.47	2.07	26	12	4.11
Highgate (St. Cath.)	2.38	1.50	25	6		Cambridge	9.94	3.20	11	11	4.77
Rio Magno	3.69	1.70	10	5		New Market	5.65	1.94	10	13	5.53
Riversdale	1.64	0.81	12	4		Springfield					
Headworks, R.C.C.	1.65	0.67	10	4	2.90	Kew Park	9.14	2.28	6	13	4.42
Bog Walk	0.00			0		Seaford Town	11.82	2.35	6	12	
Linstead	1.48	0.80	25	5	3.08	Petersville					
Ewarton	0.87	0.36	9	3		The Bog	5.37	1.32	10	14	6.34
Cave Valley	3.58	1.95	6	6	2.70	Exeter	14.60	3.13	12	13	
Guanaboa Vale	4.87	2.55	7	4		Bethel Town Dist.	9.27	1.85	10	13	4.69
Point Hill	1.24	0.67	2	3	4.66	Copse	4.55	1.95	10	11	
Brown's Hall	2.64	1.24	24	3	4.35	Burnt Ground					4.53
Bellas Gate	1.35	0.45	25	5	2.50	Haughton Grove	7.35	2.50	10	8	6.98
Rock River	2.38	1.50	25	4		Knockalva	9.65	2.17	10	13	
Crofts Hill	5.04	1.60	23	7	2.80	Darliston	8.21	2.00	12	13	6.13
Kellitss	1.55	0.50	3	5		Whithorn	7.20	1.97	10	8	4.83
Suttons						Water Works Pen	6.63	2.20	10	8	5.22
Colonel's Ridge	5.83	1.82	25	6		Williamsfield, Wid.	6.17	2.20	10	7	
Chapelton	3.57	1.22	25	12	2.60	Petersfield	6.15	1.82	10	11	
Crooked River	6.97	2.68	25	8		Baulk	3.64	1.14	10	10	
James Hill	5.23	1.50	9	6		Askenish	8.65	2.65	10	13	4.08
Frankfield	3.52	1.15	9	6	2.14	Grange Hill	3.74	0.78	27	13	5.22
WEST-CENTRAL DIVISION (W.C.)						Mount Eagle					
Mocho, Clarendon	4.76	3.14	10	8	3.22	King's Vale	2.73	0.55	31	10	4.24
Thompson Town	3.99	2.17	9	9		SOUTHERN DIVISION, (S).					
Porus	5.86	1.32	23	9		Morant Point L. H.	1.56	0.90	23	4	2.26
Boro-bridge	5.48	3.20	26	5		Golden Grove					
Spaldings	9.07	3.40	26	7	2.66	Pleasant Hill	2.85	0.78	23	8	3.39
Williamsfield						East Prospect	1.34	0.33	23	9	2.96
Brokenhurst	5.48	1.91	10	7	3.05	Morant Bay	0.38	0.13	8	4	1.96
Shooter's Hill	6.77	2.05	27	10	3.02	Lloyds	1.76	1.12	23	3	
						Yallahs	2.18	1.20	10	2	
						Easington	0.75	0.75	24	1	1.39
						Mavis Bank					

STATIONS.	March, 1942.					STATIONS.	March, 1942.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
Harbour Head	0.70	0.50	23	2	..	Cottage	0.35	0.18	6	3	..
Dallas Castle	0.52	0.45	23	3	..	Pennants	3.78	1.45	9	10	..
Gordon Town	1.73	0.57	10	6	1.70	Belle Plain	2.35	1.73	10	5	..
Irish Town	2.41	0.90	27	4	1.98	Milk River	2.25	1.37	10	4	1.55
Hope Gardens	..	..	..	..	2.01	Retrieve	3.99	2.40	10	4	2.10
Bamboo Pen	0.97	0.36	9	5	..	Stone's Hope	8.01	4.28	9	8	2.61
Plumb Point L.H.	0.10	0.10	22	1	0.83	Newport, Man.	6.22	2.04	10	6	2.96
King's House Gar.	..	..	..	..	1.54	Alligator Pond	7.36	3.33	9	6	2.43
Up-Park Camp	0.56	0.31	25	5	..	Myersville	4.98	1.10	28	8	..
Cavaliers	0.71	0.46	25	5	..	Goshen	7.39	2.00	10	8	..
St. George's College	0.49	0.33	10	4	..	Munro	3.62	1.35	10	11	..
Upper Kingston	0.96	0.65	10	4	0.76	Windsor, St. Eliz.	6.14	3.67	10	11	..
Parade Garden	..	..	..	..	..	Torrington	4.12	1.22	28	8	3.13
Shortwood College	0.10	0.06	23	2	0.94	Santa Cruz	7.83	1.23	9	10	4.61
Kingston P.W.O.	0.85	0.38	10	6	..	Hounslow	3.32	1.29	10	6	..
Constant Spring	0.85	0.33	10	4	..	Pedro Plains	..	..	..	..	1.63
Halfway Tree	0.50	0.24	25	3	1.16	Mountainside	7.65	3.25	10	8	2.32
Clifton Pen	0.98	0.25	25	3	1.06	Fort Charles	0.50	0.50	23	1	..
Twickenham Park	0.51	0.38	10	3	..	Black River	3.22	1.41	10	7	2.60
Red Hills	2.63	1.00	27	5	..	Mt. Charles	4.67	1.63	9	9	..
Quarantine Station	0.07	0.07	11	1	0.55	Mount Edgecombe	5.15	1.80	9	9	4.10
Hematine	0.97	0.81	10	3	1.52	Bluefields	4.65	1.85	10	9	6.93
Spanish Town	1.62	1.19	10	4	1.98	Sav.-la-Mar	4.54	3.20	10	7	2.81
Hog Hole, St. Cath.	1.15	0.58	10	4	2.26	Little London	4.19	1.83	10	11	3.11
Old Harbour	1.72	0.55	23	4	2.40	Retreat	..	..	..	..	3.63
May Pen	0.98	0.46	10	6	2.53	Sheffield	3.61	1.76	25	7	..
Glen Muir	1.85	0.75	10	5	..	Negril Point L.H.	1.72	1.10	10	6	2.77

NOTES.

COMPARATIVE TABLE OF RAINFALL
AND DAYS ON WHICH RAIN FELL.

DIVISIONAL AND ISLAND RAINFALL.	March.			
	Rainfall, inches.		Days on which Rain fell.	
	1942.	Ave.	1942.	Ave. *
North-eastern	4.21	4.61	7	9
Northern	4.41	2.37	7	6
West-central	7.39	4.25	10	9
Southern	2.72	2.19	5	6
The Island means	4.68	3.35	7	8

SHOCKS OF EARTHQUAKE IN MARCH, 1942.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
None reported.			

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND—MARCH.

The Mean rainfall for the Island was above the average in all Divisions except the North-Eastern in which there was a small deficit.

The greatest total fall for the month was 14.60 inches at Exeter in the West-Central Division and the heaviest fall in 24 hours was 5.05 inches at Blenheim in the Northern Division on the 10th.

No rain fell at Bog Walk.

The mean number of rain days was 7, the average for the month being 8. Cousins Cove, in the Northern Division, had the greatest number—24.

The mean rainfall in each parish is given below, compared with the 10-year average. Hanover, with 7.76 inches, was highest; Manchester, with 6.85 inches, next, and St. Elizabeth, with 6.62 inches, was third. Kingston, with 0.41 inch, was lowest.

Parish.	1942.	10-year average.	Parish.	1942.	10-year average.
	inches.	inches.		inches.	inches.
Kingston	0.41	0.64	St. James	6.06	2.52
St. Andrew	1.80	1.82	Hanover	7.76	2.78
St. Thomas	1.76	1.93	Westmoreland	6.26	3.34
Portland	5.98	6.36	St. Elizabeth	6.62	3.04
St. Mary	4.45	4.22	Manchester	6.85	2.49
St. Ann	4.02	3.17	Clarendon	3.83	1.88
Trelawny	6.05	3.12	St. Catherine	2.24	2.45

The total rainfall for the first quarter of the year is given below, compared with the 60-year average, and shows an excess of 1.94 inch.

	1942.	60-year average.
January	4.27	4.00
February	3.47	3.13
March	4.68	3.35
	12.42	10.48

CITY OF KINGSTON.

The total rainfall for the month of March, 1942, was 0.10 of an inch, as compared to the 60-year normal of 0.94 inch, or about one-ninth part of the normal. There were two days with light rain, as against the average of four days. The greatest fall in 24 hours was 0.06 of an inch on the 23rd. The upper Boundary of Kingston gauged 0.96 of an inch, of which 0.24 inch fell on the 25th. There were four days with appreciable rainfall.

The several directions in which distant rain was observed are as follows:—To northeast and east 2 days each and to northwest once.

Fresh to moderate "northers" of short duration were observed on the 3rd and 4th.

The mean barometric pressure was 29.908 inches, as compared with the 33-year normal of 29.965 inches, or 0.057 inch below normal. Highest reading 29.975 inches on the 9th, at 3 p.m. and the lowest 29.836 inches, on the 27th, at 7 a.m.—(corrected for Diurnal Variation).

Mean temperature based upon four observations per day, was 79.8°, the 33-year normal being 76.5°, showing 3.3° above the normal. This is unusually excessive. Referring back to 30 years, the next to this was 78.2° in March, 1915. There was also a phenomenal number of 13 days, when the maximum temperature read 90° or above. The highest maximum for March, 1942, was 93.1° on the 20th, and the lowest minimum was 69.8° on the 13th and 15th, shewing an extreme monthly range of 23.3°. On the other hand, the lowest maximum was 85.8° on the 11th, and the highest minimum 75.2° on the 8th. Greatest range 22.3° on the 22nd, and the least range 13.6° on the 6th. The minimum was 70° and above on 29 occasions.

The mean daily miles of wind registered was 233, as against the 25-year average of 188, or about 24% above the average. The greatest number of miles of wind recorded in 24 hours was 450 on the 8th, and the least 122 on the 10th. Greatest hourly velocity 36 miles per hour on the 18th, at 2.45 p.m. There was a moderate squall (southeast) on the 25th, at 4.50 p.m. Southeast wind prevailed early on 2 days and continued after 7 p.m. on 18 days and throughout the night twice.

Mean relative humidity 73%, the 33-year normal being 77%. Mean 7 a.m. 78%, and mean 3 p.m. 62%. Lowest 7 a.m. 69% on the 22nd, and lowest 3 p.m. 51% on the 8th.

Overcast conditions four times in the forenoon and fourteen times in the early afternoon.

Total evaporation for the month was 10.17 inches, the 10-year average being 6.64 inches.

Mean daily number of sunshine hours 8.9.

MONTEGO BAY.

A Table (A) giving a summary of the Meteorological Observations carried out at Montego Bay during 1941 is appended. The extreme maximum temperature was 96.0 on June 14th, and the extreme minimum was 56.0 on the 13th of January. The mean daily temperature derived from four observations per day, was 79.3. The mean relative humidity at 7 a.m. was 90% and at 3 p.m. 75%. The observations were carried out by Mr. Sinclair of the Public Works Department, Montego Bay.

EVAPORATION TABLES.

Kingston.—Appended to this Weather Report, No. 795, is a table (B) summarising the results of the daily evaporation gauged each month of the year 1941, at the city of Kingston. The evaporimeter continued to be maintained with the same exposure as that in former years since 1924—*vide* Jamaica Weather Report No. 570, page 5, March 1925.

The maximum evaporation occurred in the month of April when a total of 9.13 inches was gauged representing for this month a daily mean of 0.304 inch. The minimum occurred in December, giving a total of 6.26 inches and a daily mean of 0.202 inch. The total evaporation for the year was 93.31 inches or 21.60 inches above the 10-year average. The general monthly mean for the 12 months was 7.78 inches with an average daily mean of 0.256 inch, or 0.046 inch more than in the previous year. The greatest evaporation in 24 hours was 0.42 of an inch on the 12th of April. The days which gauged the greatest amount of evaporation are indicated by bolder-faced type in the respective columns of the table.

By way of comparison, it may be noted that the rain gauge which is installed in the vicinity of the evaporimeter, recorded 30.53 inches for the year 1941.

At the foot of the table are shown the corresponding monthly normals.

Negril Point.—Another Table (C) shewing the evaporation at Negril Point, to the extreme west of Jamaica is also appended. The maximum monthly evaporation, 7.65 inches, giving a daily mean of 0.247 inch, occurred in March and the minimum, 4.38 inches, giving a daily mean of 0.148 inch, in November.

The total evaporation for the year was 70.17 inches or 23.14 inches less than that of Kingston.

The general monthly mean for the year was 5.85 inches and the year's daily mean was 0.192. The greatest evaporation gauged in 24 hours was 0.39 inch on the 13th of April.

The maximum daily evaporation is indicated by bolder-faced type in the respective columns of the Table.

TABLE (A)

MONTIGO BAY METEOROLOGICAL RESULTS FOR THE YEAR 1941.

(Lat. 17° 17' N. and Long. 77° 55')

Month.	Temperature (F)						Extreme Temperature (F.)				Dew Point and Humidity.			Rainfall (inches)	Wind. (approx.) Direction from	
	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range	7 a.m.	3 p.m.	7 a.m.		3 p.m.	
	°	°	°	°	°	°	°	°	°	°	°	°				
January	69.8	82.6	85.3	66.4	18.9	91.0	17	56.0	13	35.0	67	92	74	76	ENE	NE
February	70.4	82.9	85.7	66.9	18.8	90.0	23	57.9	13	32.1	67	90	75	76	ESE	NE
March	70.4	82.9	86.2	65.9	20.3	90.5	21*	58.5	17*	32.0	67	88	73	73	ENE	NE
April	73.1	85.4	89.1	69.4	19.7	91.5	4	64.0	17	27.5	70	88	75	70	E	NE
May	77.1	85.6	88.5	73.4	15.1	91.5	7	69.0	5	22.5	74	88	77	76	E	NE
June	76.7	88.7	92.4	72.9	19.5	96.0	14	70.5	19	25.5	74	91	80	76	E	NE
July	76.3	87.5	91.4	72.6	18.8	94.1	13	68.9	1	25.2	73	90	79	77	ESE	ENE
August	76.5	88.6	93.0	72.5	20.5	96.0	6	70.0	13*	26.0	73	90	79	75	SSE	NE
September	75.1	87.1	90.8	71.6	19.2	93.9	9*	69.0	6	24.9	71	89	78	76	SE	NE
October	75.2	87.2	91.0	71.5	19.5	93.5	13	69.5	14	24.0	72	89	78	75	SE	NE
November	73.6	85.3	88.8	70.3	18.5	94.5	1	66.1	12	28.4	71	91	78	80	E	NE
December	71.9	86.9	89.4	69.0	20.4	91.0	2	65.9	30	25.1	69	91	78	76	E	NE
Means Total	73.8	85.9	89.3	70.2	19.1	92.8	..	65.4	..	27.4	71	90	77	75	ESE	NE

* And on other days.

TABLE (B) KINGSTON, 1941.

Daily Record of Evaporation in inches—Evaporimeter 6 inches above ground and 102 feet above sea-level.
(148½ East Street.)

Date.	Jan.	Feb.	Mar.	Apl.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.23	0.21	0.38	0.36	0.34	0.41	0.26	0.32	0.30	0.27	0.29	0.12
2	0.13	0.32	0.25	0.32	0.32	0.24	0.30	0.22	0.37	0.30	0.24	0.13
3	0.16	0.24	0.27	0.34	0.37	0.31	0.31	0.28	0.39	0.30	0.27	0.03
4	0.16	0.14	0.24	0.35	0.25	0.26	0.32	0.27	0.20	0.35	0.23	0.20
5	0.20	0.13	0.24	0.41	0.36	0.33	0.38	0.33	0.20	0.31	0.28	0.23
6	0.23	0.32	0.29	0.32	0.24	0.30	0.40	0.34	0.17	0.33	0.21	0.17
7	0.05	0.33	0.22	0.35	0.33	0.40	0.31	0.39	0.11	0.19	0.26	0.17
8	0.33	0.39	0.10	0.33	0.30	0.25	0.32	0.25	0.33	0.32	0.29	0.22
9	0.04	0.14	0.04	0.34	0.20	0.27	0.33	0.35	0.41	0.31	0.26	0.25
10	0.25	0.10	0.10	0.29	0.33	0.22	0.38	0.25	0.38	0.24	0.31	0.19
11	0.27	0.05	0.20	0.40	0.18	0.27	0.10	0.27	0.26	0.29	0.15	0.15
12	0.30	0.05	0.28	0.42	0.23	0.03	0.27	0.27	0.25	0.23	0.23	0.24
13	0.12	0.23	0.29	0.37	0.25	0.37	0.25	0.30	0.22	0.28	0.18	0.30
14	0.15	0.23	0.32	0.25	0.04	0.36	0.21	0.35	0.31	0.17	0.26	0.20
15	0.12	0.32	0.25	0.36	0.29	0.36	0.09	0.21	0.27	0.24	0.33	0.19
16	0.33	0.21	0.32	0.38	0.12	0.37	0.28	0.27	0.24	0.23	0.23	0.28
17	0.32	0.11	0.26	0.38	0.30	0.36	0.17	0.19	0.38	0.07	0.15	0.23
18	0.36	0.27	0.22	0.30	0.32	0.30	0.30	0.23	0.38	0.31	0.09	0.25
19	0.11	0.24	0.30	0.39	0.24	0.32	0.24	0.06	0.27	0.25	0.22	0.21
20	0.11	0.30	0.36	0.29	0.30	0.25	0.13	0.33	0.34	0.30	0.17	0.23
21	0.19	0.26	0.34	0.21	0.15	0.33	0.20	0.35	0.33	0.16	0.26	0.26
22	0.13	0.34	0.38	0.17	0.28	0.30	0.25	0.33	0.37	0.26	0.22	0.12
23	0.29	0.29	0.32	0.27	0.05	0.34	0.27	0.18	0.25	0.25	0.20	0.18
24	0.29	0.24	0.32	0.26	0.39	0.26	0.23	0.31	0.26	0.18	0.32	0.23
25	0.30	0.22	0.26	0.25	0.33	0.30	0.27	0.30	0.35	0.20	0.13	0.28
26	0.12	0.27	0.20	0.29	0.27	0.22	0.21	0.28	0.19	0.23	0.22	0.15
27	0.28	0.26	0.32	0.28	0.21	0.40	0.37	0.19	0.27	0.11	0.17	0.26
28	0.25	0.26	0.28	0.25	0.33	0.41	0.37	0.20	0.27	0.20	0.30	0.15
29	0.25	...	0.30	0.11	0.37	0.12	0.16	0.23	0.02	0.27	0.25	0.18
30	0.20	...	0.24	0.09	0.36	0.36	0.12	0.30	0.27	0.15	0.25	0.25
31	0.21	...	0.32	...	0.36	...	0.23	0.21	...	0.26	...	0.21
Total	6.53	6.47	8.21	9.13	8.41	9.02	8.03	8.36	8.36	7.56	6.97	6.26
Daily Means	0.210	0.231	0.265	0.304	0.271	0.301	0.259	0.270	0.278	0.244	0.232	0.202
10-year monthly Average	5.06	4.90	6.64	7.75	7.91	6.93	7.89	7.56	5.12	4.05	3.35	4.37

The total Evaporation for the year 1941 was 93.31.
The 10-year Average Evaporation is 71.71 inches.

TABLE (C) NEGRIL POINT, YEAR 1941.

Daily Record of Evaporation, in inches—Evaporimeter 4 inches above ground and 27 feet above sea-level.

Date.	Jan.	Feb.	Mar.	Apl.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.08	0.19	0.36	0.26	0.30	0.20	0.16	0.21	0.21	0.16	0.18	0.13
2	0.13	0.17	0.28	0.28	0.28	0.17	0.13	0.21	0.16	0.15	0.02	0.15
3	0.17	0.15	0.24	0.32	0.25	0.19	0.15	0.16	0.26	0.26	0.18	0.12
4	0.08	0.20	0.27	0.32	0.24	0.14	0.12	0.18	0.14	0.21	0.20	0.16
5	0.15	0.18	0.29	0.32	0.26	0.20	0.19	0.24	0.21	0.19	0.17	0.16
6	0.10	0.18	0.24	0.28	0.32	0.20	0.19	0.16	0.22	0.22	0.19	0.17
7	0.18	0.20	0.32	0.28	0.30	0.16	0.19	0.28	0.16	0.20	0.18	0.10
8	0.13	0.17	0.27	0.31	0.19	0.19	0.14	0.18	0.21	0.19	0.12	0.24
9	0.15	0.20	0.19	0.23	0.29	0.20	0.19	0.16	0.26	0.20	0.13	0.10
10	0.27	0.12	0.16	0.24	0.14	0.32	0.21	0.15	0.22	0.23	0.14	0.26
11	0.30	0.02	0.21	0.23	0.13	0.23	0.17	0.17	0.20	0.27	0.14	0.25
12	0.17	0.22	0.27	0.35	0.09	0.07	0.15	0.17	0.24	0.06	0.17	0.18
13	0.15	0.19	0.23	0.39	0.21	0.10	0.12	0.20	0.23	0.12	0.18	0.24
14	0.13	0.24	0.34	0.37	0.07	0.26	0.21	0.20	0.21	0.31	0.07	0.22
15	0.20	0.18	0.26	0.38	0.09	0.23	0.13	0.18	0.21	0.07	0.10	0.06
16	0.20	0.16	0.32	0.37	0.18	0.09	0.20	0.22	0.22	0.23	0.16	0.04
17	0.20	0.23	0.15	0.32	0.20	0.20	0.20	0.20	0.23	0.23	0.13	0.14
18	0.24	0.17	0.28	0.31	0.19	0.21	0.23	0.30	0.19	0.24	0.12	0.14
19	0.07	0.20	0.23	0.28	0.14	0.21	0.07	0.10	0.28	0.18	0.16	0.12
20	0.14	0.24	0.18	0.23	0.20	0.15	0.15	0.22	0.18	0.10	0.12	0.11
21	0.14	0.25	0.21	0.27	0.15	0.13	0.17	0.25	0.23	0.14	0.25	0.18
22	0.14	0.23	0.24	0.28	0.10	0.21	0.21	0.24	0.18	0.17	0.16	0.14
23	0.16	0.21	0.24	0.21	0.15	0.18	0.19	0.19	0.18	0.26	0.16	0.19
24	0.14	0.25	0.29	0.22	0.15	0.25	0.18	0.16	0.22	0.05	0.15	0.19
25	0.14	0.22	0.23	0.25	0.18	0.24	0.26	0.22	0.22	0.21	0.14	0.14
26	0.17	0.21	0.24	0.19	0.16	0.17	0.19	0.19	0.23	0.21	0.18	0.19
27	0.20	0.25	0.29	0.23	0.12	0.23	0.24	0.15	0.17	0.10	0.07	0.12
28	0.20	0.25	0.32	0.15	0.19	0.11	0.10	0.17	0.18	0.14	0.17	0.13
29	0.22	...	0.14	0.12	0.18	0.17	0.20	0.19	0.16	0.26	0.22	0.12
30	0.30	...	0.15	0.25	0.21	0.17	0.16	0.00	0.29	0.07	0.02	0.17
31	0.14	...	0.21	...	0.18	...	0.14	0.19	...	0.18	...	0.16
Total	5.19	5.48	7.65	8.24	5.74	5.58	5.34	5.84	6.30	5.61	4.38	4.82
Daily Means	0.167	0.177	0.247	0.266	0.266	0.180	0.172	0.188	0.203	0.181	0.148	0.156

The Total Evaporation for the year was 70.17.

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JAMAICA
WEATHER REPORT
FOR THE MONTH OF
APRIL, 1942.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first two standards only. Thermometers are exposed in Stevensons Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) cloud cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressur.		Temperature. (F.)					Extreme Temperature. (F.)				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.
	ft.	ins.	ins.	°	°	°	°	°	°		°		°
Morant Point Light House	8	29.958	29.922	79.5	83.3	85.1	75.8	9.3	88.0	17	70.0	14	18.0
Kingston	24	29.930	29.879	76.1	86.8	89.6	72.9	16.7	94.1	29	67.4	28	26.7
Negril Point Light House	33	29.929	29.888	75.7	84.0	86.5	70.9	15.6	89.3	21	64.0	28	25.3
Montego Bay†	33	..	..	73.0	85.8	89.0	70.0	19.0	91.0	16	63.5	30	27.5
Castleton Gardens*	496	..	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens *	668	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mountains	4,900	..	..	..	..	..	..	..	..	..	..	..	..

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft.	°	%	°	%	ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Point																	
Light House	8	73	82	74	77	1.85	313	ENE	14.0	ENE	15.0	1.9	3.8	0.9	1.8	2.9	0.9
Kingston	24	67	74	70	58	0.76	175	N	4.2	SE	13.4	0.7	0.9	1.3	1.9	3.6	0.4
Negril Point																	
Light House	33	70	83	72	65	5.34	130	ENE	4.5	NNW	8.3	1.3	0.7	4.0	3.4	3.1	1.0
Montego Bay	33	71	93	77	74	5.24	..	E	..	NE	..	..	..	..	..	..	..
Castleton																	
Gardens	496	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens,																	
Blue Mtns.	4,900	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

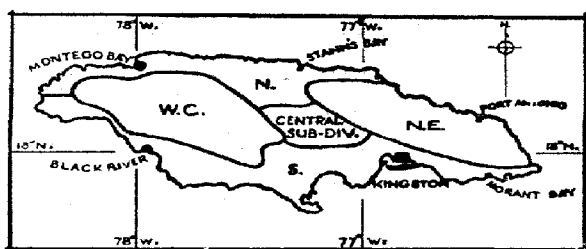
* And on other days. † Montego Bay—observations made at 8 a.m. and 3 p.m.

THE RAINFALL.

THE first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929". In obtaining the mean rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-eastern and West-central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica", following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



STATIONS.	April, 1942.					Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
	Amount.	Date.	Amount.	Date.						
NORTH-EASTERN DIVISION (N.E.)	Ins.	Ins.			Ins.					
Manchioneal	6.12	1.87	22	12	6.64					
Ecclesdown	10.87	1.33	21	18						
Priestman's River	3.05	1.05	1	10	5.03					
Bath	4.71	1.20	3	12	5.98					
Barrett's Gap	10.57	3.13	3	15						
Millbank	28.09	10.41	2	17						
Bowden Pen	22.63	7.15	2	21						
Moore Town	23.76	8.11	1	14	11.18					
Port Antonio	7.95	2.50	2	15	6.55					
Passley Garden	6.15	1.15	2	13						
Fellowship	12.33	2.16	20	18	9.64					
Johnson River Br.	2.32	1.02	4	5	4.08					
Trinity Ville	2.11	1.36	3	5						
Fruitful Vale	18.67	8.04	3	12						
Shrewsbury										
Hope Bay	6.73	2.10	3	8						
Cedar Valley	3.50	1.00	3	13	4.04					
Swift River	22.16	2.36	3	15						
Lennox	7.78	2.40	3	7						
Greenvale	20.50	5.57	2	11	10.16					
Darley	10.66	2.70	2	12						
Spring Garden					4.01					
Hill Gardens	8.65	2.44	3	17	5.65					
Buff Bay	8.11	3.50	3	10	6.26					
Buff Bay R. Est.	11.33	4.92	2	12						
Belvedere, Portland					4.50					
Windsor Castle, do.	7.75	3.50	2	6	5.51					
Balcarras	26.79	8.08	3	16						
Mt. Holstein	17.59	7.59	3	14	7.03					
Carew Castle	6.03	2.53	17	11	5.08					
Hampstead, St. Mary	11.95	5.00	2	9	5.47					
Windsor Castle do.	12.13	3.95	2	10						
Troja	11.84	3.50	2	12						
Pear Tree Grove	11.50	5.50	2	8						
Guy's Hill	14.66	7.50	2	9	4.32					
Lucky Hill	9.90	4.24	3	11	4.92					
Rio Hoe	8.46	2.78	2	9	4.51					
Unity Valley	9.76	1.83	2	16	4.90					
Moneague	10.56	2.20	2	15	4.66					
Claremont	8.23	2.30	2	11	4.17					
Averham Park					4.57					
Albion	10.07	2.29	2	10	4.47					
NORTHERN DIVISION (N)										
Port Maria	7.18	2.85	2	11	4.00					
Wentworth										
Jacks River	6.52	2.50	15	11						
Oracabessa										
Retreat	5.35	2.00	2	7						
Huddersfield	3.80	2.13	15	4						
Exchange	3.08	1.40	6	4						
Ocho Rios	2.53	0.75	16	6	3.36					
Rockfield	4.36	0.95	3	14	5.02					
Liberty Hill	1.17	0.75	7	8	4.02					
St. Ann's Bay	4.17	2.28	6	6	3.70					
Richmond Estate	5.09	3.24	6	8	3.58					
Runaway Bay	3.35	3.05	6	2	1.03					
Thatchfield	4.96	1.48	2	11						
Knapdale	6.93	2.55	11	14						
Alexandria	6.65	1.45	14	13	2.94					
Bel-Air	3.70	1.75	6	8						
Brown's Town	3.77	1.43	2	13	3.62					
Wilton	4.72	1.47	2	13						
Watt Town, St. Ann	8.65	3.03	14	6	3.02					
Home Castle	4.06	1.85	3	7	3.22					
Stewart Town	5.58	1.38	2	13						
Arcadia	2.83	1.10	2	10	2.56					
Vale Royal	3.96	1.45	2	11	2.94					
Duncans	3.14	1.48	2	6						
Clark's Town	4.64	1.50	2	11						
Gibraltar	4.45	1.50	2							
Falmouth	1.85	1.23	3	5	2.06					

STATIONS.	April, 1942.					STATIONS.	April, 1942.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Maroon Town	..	..	..	..	..	Wait-a-bit	17.32	5.45	17	20	..
Adelphi	8.41	3.75	11	7	..	Christiana	11.94	3.68	20	15	6.64
Windsor Lodge	..	..	..	..	..	Holmwood	11.54	3.23	20	14	..
Latium	8.72	4.25	11	10	..	Clifton Hill	6.19	2.05	2	4	4.45
Barrett Hall	..	..	..	..	..	Kendal, Manchester	6.26	4.33	20	11	6.06
Success	..	..	..	..	1.84	Mereworth	4.83	2.79	2	12	..
Cornwall	..	..	..	..	..	Mandeville	4.17	1.40	2	8	5.60
Rose Hall	..	..	..	..	1.78	Ulster Spring	10.80	2.65	17	17	6.85
Cinnamon Hill	..	..	..	..	1.83	Greenvale	9.97	2.25	2	13	..
Tryall	..	..	..	..	2.60	Albert Town	11.09	3.66	17	12	6.62
Running Gut	..	..	..	..	1.79	Craig Head	14.54	6.10	17	10	..
Spring Estate	..	..	..	..	1.67	Warsop	21.02	5.65	17	18	..
Friendship	8.89	3.89	11	10	2.72	Troy	13.24	3.40	17	10	8.28
Irwin	6.63	3.80	11	10	..	Wallingford	13.41	4.05	17	15	8.41
Retirement	9.47	4.26	11	11	4.29	Balacava	11.96	3.05	17	13	9.03
Montego Bay	5.24	2.28	17	9	3.02	Braes River	13.02	3.10	2	12	..
Anchovy	10.45	3.27	11	13	3.34	Wakefield	7.23	3.23	11	6	..
Hopewell	7.65	1.85	17	13	..	Appleton	10.77	4.04	17	9	..
Blue Hole	5.51	1.66	11	10	3.55	Aberdeen	10.75	2.62	17	13	..
Cascade	11.54	1.98	17	12	..	Accompong	..	..	..	..	..
Lucea	7.33	1.59	11	11	3.53	Maggotty	9.17	2.12	2	13	9.83
Haughton Court	9.34	1.89	11	9	3.33	Lacovia	5.28	1.21	2	10	..
Kendal—Hanover	12.35	2.50	7	12	..	Mulgrave	16.44	3.50	17	17	..
Cousins Cove	12.12	2.21	11	15	..	Holland	..	..	..	..	..
Blenheim	14.07	2.40	18	10	..	Ipswich	13.58	1.98	16	14	..
Green River	11.15	2.65	17	12	..	Ginger Hill	..	..	..	..	..
Green Island	13.41	3.44	11	12	4.79	Kempshot	12.77	5.68	11	14	4.90
Haughton Hall	11.31	2.69	11	14	..	Maldon	15.61	4.31	2	16	..
CENTRAL SUB-DIVISION.						Garlands	22.46	3.70	11	18	..
Knollis	3.81	1.10	2	6	..	Mocho, St. James	..	..	..	..	..
Highgate (St. Cath.)	3.45	0.90	4	13	..	Catadupa	18.20	3.40	11	15	7.63
Rio Magno	13.06	3.81	2	16	..	Cambridge	14.72	2.40	13	13	7.13
Riversdale	3.31	1.33	14	6	..	New Market	8.35	2.38	1	11	10.00
Headworks, R.C.C.	2.22	0.51	23	6	3.46	Springfield	..	..	..	..	..
Bog Walk	4.15	1.18	4	8	..	Seaford Town	18.42	3.12	17	16	..
Linstead	4.74	1.17	7	14	4.46	Petersville	6.70	2.10	1	7	..
Ewarton	1.51	0.93	3	4	..	Kew Park	12.84	3.35	2	15	7.99
Greenock	..	..	..	..	..	The Bog	10.15	3.41	2	9	10.35
Cave Valley	7.66	2.00	20	8	4.63	Exeter	17.75	3.56	8	13	..
Guanaboa Vale	..	..	..	..	..	Bethel Town Dist.	12.18	3.04	17	16	8.81
Point Hill	..	..	..	..	5.52	Copse	..	..	..	..	..
Brown's Hall	2.58	0.68	21	4	4.17	Burnt Ground	11.71	2.41	17	11	5.75
Bellas Gate	2.69	0.77	4	7	2.39	Haughton Grove	15.10	4.40	17	12	7.01
Rock River	1.85	0.71	28	5	..	Knockalva	12.98	3.25	17	15	..
Crofts Hill	8.59	2.75	19	12	3.73	Darliston	11.71	3.00	2	12	10.92
Kellitts	12.97	2.90	17	15	..	Whithorn	7.85	2.86	2	9	7.13
Suttons	..	..	..	..	..	Water Works Pen.	11.55	5.85	2	9	7.43
Colonel's Ridge	5.85	1.71	1	15	..	Williamsfield, Wld.	9.46	1.50	10	12	..
Chapelton	5.61	2.32	2	15	3.73	Petersfield	4.72	1.22	10	10	..
Crooked River	7.12	2.10	2	11	..	Baulk	8.15	2.34	14	12	..
James Hill	8.88	1.94	12	16	..	Askenish	14.70	3.50	7	11	6.96
Frankfield	9.86	1.60	2	14	3.44	Grange Hill	6.01	1.90	10	12	7.01
WEST-CENTRAL DIVISION (W.C.)						Mount Eagle	6.74	1.50	10	12	..
Mocho, Clarendon	7.10	2.16	24	10	4.76	King's Vale	2.76	0.70	10	11	5.64
Thompson Town	8.10	1.50	19	13	..	SOUTHERN DIVISION, (S.)					
Porus	..	..	..	..	..	Morant Point L. H.	1.85	0.83	23	13	3.19
Boro-bridge	8.93	2.30	21	7	..	Golden Grove	..	..	..	..	..
Spaldings	11.57	2.80	20	15	3.43	Pleasant Hill	3.67	1.03	6	11	2.19
Williamsfield	..	..	..	..	..	East Prospect	4.43	1.20	21	15	4.23
Brokenhurst	2.73	1.60	2	5	5.31	Morant Bay	1.81	0.83	5	8	2.84
Shooter's Hill	7.06	4.08	20	12	4.17	Lloyds	0.97	0.30	3	6	..
						Yallahs	..	..	..	..	..
						Easington	0.48	0.30	3	3	2.00

STATIONS.		April, 1942.					STATIONS.		April, 1942.				
		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.			Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
			Amount.	Date.						Amount.	Date.		
SOUTHERN DIVISION, <i>contd.</i>		Ins.	Ins.			Ins.	SOUTHERN DIVISION, <i>contd.</i>		Ins.	Ins.			Ins.
Mavis Bank	2.84	0.77	3	12	..	Cottage	1.81	0.85	24	6	..		
Herbour Head	1.35	0.70	20	2	..	Pennants	8.26	2.73	2	12	..		
Dallas Castle	5.00	2.48	14	11	..	Belle Plain	8.89	3.22	24	7	..		
Gordon Town	4.83	1.28	4	8	3.26	Milk River	1.28	0.65	24	4	2.22		
Irish Town	6.22	1.50	2	9	4.06	Retrieve	3.02	0.75	20	5	2.59		
Hope Gardens	2.70	1.19	5	11	2.95	Stone's Hope	3.47	2.82	2	4	4.13		
Bamboo Pen	1.69	0.93	4	4	..	Newport, Man.	3.29	2.85	2	2	4.77		
Plumb Point L.H.	..	..	..	..	1.15	Alligator Pond	2.84	1.80	2	2	2.97		
King's House Gar.	2.94	1.65	17	7	2.43	Myersville	3.22	1.89	2	6	..		
Up-Park Camp	1.07	0.95	4	3	..	Goshen	7.27	4.92	2	7	..		
Cavaliers	0.94	0.90	4	2	..	Bull Savannah	4.09	2.59	2	3	..		
St. George's College	..	..	..	..	..	Munro	6.52	4.65	2	9	..		
Upper Kingston	0.73	0.70	4	4	0.94	Windsor, St. Eliz.	6.84	4.65	2	7	..		
Parade Garden	0.70	0.70	4	1	..	Torrington	5.94	4.20	2	5	4.86		
Kingston P.W.O.	0.76	0.73	4	2	1.17	Santa Cruz	11.23	4.75	2	11	8.81		
Shortwood College	4.83	2.43	17	8	..	Hounslow	5.50	3.52	2	6	..		
Constant Spring	6.86	3.72	17	12	..	Pedro Plains	..	..	..	..	2.64		
Halfway Tree	2.33	1.02	3	5	1.86	Mountainside	3.99	2.75	2	3	5.20		
Clifton Pen	2.15	1.36	4	4	1.74	Fort Charles	1.77	1.43	3	4	..		
Twickenham Park	1.64	0.80	4	4	..	Black River	1.67	0.57	24	6	3.98		
Red Hills	3.32	1.20	4	7	..	Mt. Charles	4.61	1.35	1	9	..		
Quarantine Station	0.70	0.40	5	4	1.36	Mount Edgecombe	5.43	1.76	10	8	5.32		
Hematine	1.06	0.68	4	4	2.49	Bluefields	7.08	2.46	10	9	8.08		
Spanish Town	1.41	0.49	4	6	2.36	Sav.-la-Mar	3.25	1.05	10	7	4.79		
Hog Hole, St. Cath.	4.85	1.50	21	7	2.94	Little London	7.75	2.95	1	8	4.88		
Old Harbour	2.61	0.85	20	5	2.81	Retreat	8.49	2.60	1	10	4.91		
May Pen	3.89	1.53	21	3	3.00	Sheffield	..	..	..	..	..
Glen Muir	2.55	1.00	24	3	..	Negril Point L.H.	5.34	1.28	10	12	2.92		

NOTES.

COMPARATIVE TABLE OF RAINFALL
AND DAYS ON WHICH RAIN FELL.

DIVISIONAL AND ISLAND RAINFALL.	April.			
	Rainfall, inches.		Days on which Rain fell.	
	1942.	Ave.	1942.	Ave.
North-eastern	10.28	5.80	12	10
Northern	5.77	3.17	10	6
West-central	10.40	6.82	12	11
Southern	3.64	3.28	6	7
The Island means	7.52	4.77	10	9

SHOCKS OF EARTHQUAKE IN APRIL, 1942.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
None reported.			

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND—APRIL.

The mean rainfall for the Island was much above normal in all divisions.

The greatest total fall for the month was 28.09 inches at Millbank in the North-Eastern Division and the heaviest fall in 24 hours was 10.41 inches at the same station on the 2nd.

The mean number of rain days was 10, the average for the month being 9. Bowden Pen in the North-Eastern division had the greatest number—21.

The mean rainfall in each parish is given below, compared with the 10-year average. Portland, with 14.03 inches was highest, St. James with 11.92 inches was next, and Hanover with 10.81 inches was third. Kingston, with 0.46 inch was lowest.

Parish.	1942.	10-year average.	Parish.	1942.	10-year average.
Kingston ..	0.46	1.08	St. James ..	11.92	5.21
St. Andrew ..	5.59	4.45	Hanover ..	10.81	6.13
St. Thomas ..	3.31	4.67	Westmoreland ..	9.08	7.85
Portland ..	14.03	10.45	St. Elizabeth ..	8.00	6.97
St. Mary ..	9.15	6.63	Manchester ..	7.06	5.07
St. Ann ..	5.81	5.62	Clarendon ..	6.84	4.48
Trelawny ..	8.24	5.18	St. Catherine ..	5.04	4.93

CITY OF KINGSTON.

The total rainfall for the month of April, 1942, was only 0.76 of an inch, the 60-year normal being 1.17 inch, or about two-thirds of the normal. There were two days with rain. On the 4th 0.73 of an inch was recorded. The upper boundary of Kingston gauged 0.73 of an inch with 4 rain days.

The days on which distant rain was observed are as follows:—To northward on one, to north-eastward on three and to northwest one.

Distant thunder to northwest and north on 17th.

The mean barometric pressure was 29.911 inches, the 33-year normal being 29.941 inches, or 0.030 inch below normal. The highest barometer reading was 29.978 inches on the 16th at 3 p.m., and the lowest 29.843 on the 19th at 7 a.m., corrected for diurnal variation.

The mean monthly temperature was 80.9°, the 33-year normal being 78.2°, shewing as much as 2.7° above the normal. The highest maximum was 94.1°, on the 29th, and the lowest minimum 67.4°, on the 28th, giving an extreme monthly range of 26.7°. On the other hand, the lowest maximum was 85.2°, on the 4th (occasioned by some afternoon rain) and the highest minimum was 75.6°, on the 3rd. The greatest daily range was 25.0°, on the 29th. The maximum was 90° or above on 12 days, and the minimum was 70° and above on 27 days.

The mean daily miles of wind registered was 175, as compared to the 25-year average of 188, or about 7% below. The greatest number of miles recorded was 330 on the 7th and the least was 95 on the 4th, a rain day. South-easterly wind prevailed early once and continued late on 13 days. Greatest velocity was 36 miles per hour, on the 7th, at 2.45 p.m. Moderate "norther" of short duration on the 3rd.

The mean relative humidity was only 70% as compared to the 33-year normal of 78%. There was a remarkably low Relative Humidity on the 29th, at 3 p.m. of 33%, with an exceptional record of 26% at 7 p.m. on the 28th. This is the lowest record since the year 1861. The next lowest was 27% on the 11th August, 1923, at 3 p.m. The mean 7 a.m. was 74% and mean 3 p.m. 58%. The lowest 7 a.m. was 55% on the 28th and the lowest 3 p.m. 33% on the 29th.

Overcast conditions occurred in the forenoon on 6 occasions and in the afternoon on 16.

Total evaporation for the month of April was 9.78 inches, the 10-year normal being 7.75 inches, which is no doubt due to higher temperature and very low relative humidity.

Mean daily number of sunshine hours 8.2.

J. F. BRENNAN,
Government Meteorologist.

Kingston,
May 20th, 1942.



JAMAICA

WEATHER REPORT

FOR THE MONTH OF

MAY, 1942.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first two standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) cloud cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure.		Temperature. (F.)					Extreme Temperature. (F.)				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.
Morant Point Light House	ft.	ins.	ins.	°	°	°	°	°	°	°	°	°	°
Kingston	8	29.942	29.913	81.3	83.4	86.0	77.7	8.3	88.5	25	70.5	31	18.0
Negril Point Light House	24	29.910	29.870	79.0	86.0	90.6	74.3	16.3	92.7	22*	68.4	2	24.3
Montego Bay†	33	29.907	29.877	77.4	84.2	87.5	71.9	15.6	90.0	7	64.7	1	25.3
Castleton Gardens*	33	..	..	74.7	85.5	90.2	70.9	19.3	92.0	6	66.5	1	25.5
Hope Gardens *	496	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mountains	668	..	..	..	..	..	..	..	..	..	..	..	..
	4,900	..	..	..	..	..	..	..	..	..	..	..	..

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.		3 p.m.			
	ft.	°	%	°	%	ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Point Light House	8	77	86	77	83	16.07	248	E	12.0	E	12.0	2.3	4.4	0.9	2.7	3.9	1.2
Kingston	24	68	70	71	63	5.03	207	N	4.8	SE	16.2	0.6	0.9	1.8	4.3	1.3	3.1
Negril Point Light House	33	70	80	73	70	12.15	122	ENE	3.5	NE	6.3	2.7	0.7	2.0	3.0	5.2	0.2
Montego Bay	33	72	91	78	78	6.32	..	E	..	E	..	..	..	..	..	..	..
Castleton Gardens	496	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mtns.	4,900	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

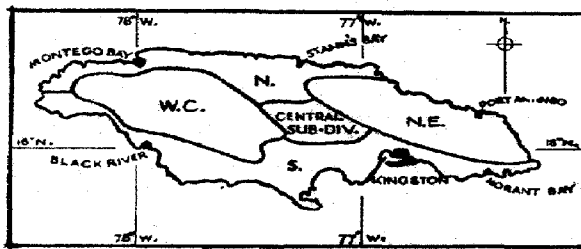
* And on other days. † Montego Bay—observations made at 8 a.m. and 3 p.m.

THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929". In obtaining the mean rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-eastern and West-central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica", following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



May, 1942.											
STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.						
		Amount.	Date.								
NORTH-EASTERN DIVISION (N.E.)	Ins.	Ins.			Ins.						
Manchioneal	18.48	8.83	30	11	12.66						
Ecclesdown	35.36	13.45	30	23							
Priestman's River	32.36	16.50	30	14	10.55						
Bath	18.07	6.82	31	15	12.33						
Barrett's Gap	19.97	6.85	31	16							
Millbank	33.24	9.25	30	19							
Bowden Pen	32.23	9.55	30	27							
Moore Town	37.54	14.20	30	19	16.68						
Port Antonio	44.56	21.12	30	18	13.73						
Passley Garden	42.87	20.95	30	19							
Mt. Pleasant	21.75	9.50	30	15							
Fellowship	31.08	6.32	30	19	16.19						
Johnson River Br.	12.93	6.45	30	5	9.56						
Trinity Ville	13.66	6.50	30	5							
Fruitful Vale	26.48	11.03	30	13							
Shrewsbury	18.03	3.50	1	8							
Hope Bay	25.10	14.50	30	12							
Cedar Valley	16.88	7.70	30	4	9.10						
Swift River	28.51	13.10	30	11							
Lennox	21.42	10.00	30	12							
Greenvale	21.90	9.34	30	11	9.27						
Darley	26.53	14.01	30	13							
Spring Garden	13.25	10.05	30	6	6.05						
Hill Gardens	12.22	2.00	31	14	9.77						
Buff Bay	17.70	9.80	30	9	7.97						
Buff Bay R. Est.	20.37	11.00	30	8							
Belvedere, Portland	16.07	11.75	30	5	6.08						
Windsor Castle, do.	13.75	9.00	31	5	5.86						
Balcarres	25.96	10.50	30	17							
Mt. Holstein	18.81	5.91	30	18	10.07						
Hampstead, St. Mary	7.95	6.30	30	4	7.33						
Windsor Castle do.	9.78	6.20	30	7							
Troja	8.34	3.00	30	5							
Pear Tree Grove	7.71	5.50	30	4							
Guy's Hill	9.24	3.20	30	9	7.46						
Lucky Hill	6.54	4.10	30	10	8.48						
Rio Hoe	9.57	4.38	30	13	8.12						
Unity Valley	13.70	5.40	30	14	9.79						
Moneague	13.65	5.18	30	15	8.76						
Claremont	12.36	4.37	30	13	7.08						
Averham Park	10.00	4.77	30	14	7.26						
Albion	10.09	4.10	30	16	8.30						
NORTHERN DIVISION (N)											
Port Maria	8.91	4.28	30	7	6.31						
Wentworth	8.10	4.90	30	5							
Jacks River	10.08	4.10	30	9							
Oracabessa	10.28	4.64	30	10							
Retreat	5.74	3.02	30	6							
Huddersfield	5.50	4.04	30	4							
Exchange	6.48	4.85	31	3							
Ocho Rios	2.72	1.65	30	5	5.22						
Rockfield	6.82	2.81	30	15	5.94						
Liberty Hill	4.37	2.02	30	8	4.72						
St. Ann's Bay	8.23	4.79	30	9	5.30						
Richmond Estate	7.65	4.45	30	10	6.14						
Runaway Bay	5.65	3.45	30	4	2.23						
Thatchfield	8.79	2.73	30	10							
Knapdale	8.15	2.71	30	13							
Alexandria	10.17	2.55	30	16	7.29						
Bel-Air	7.30	2.95	30	7							
Brown's Town	9.69	2.62	30	17	8.61						
Wilton	8.07	2.58	10	13							
Watt Town, St. Ann	13.32	2.31	29	21	8.24						
Home Castle	11.54	3.00	10	7	5.60						
Stewart Town	9.36	3.38	30	14							
Arcadia	4.68	2.60	30	7	4.89						
Vale Royal	6.51	3.40	30	13	5.82						
Duncans	5.61	1.94	30	6							
Clark's Town	9.08	2.77	30	11							
Gibraltar	10.89	2.40	30	14							
Falmouth	6.48	2.55	30	8	4.48						

STATIONS.	May, 1942.					STATIONS.	May, 1942.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Adelphi	10.59	2.31	30	12	..	Wait-a-bit	19.50	3.20	20	19	..
Irwin	5.22	1.08	28	12	..	Christiana	14.88	3.40	30	15	10.69
Barrett Hall	..	..	..	..	..	Holmwood	15.00	5.28	30	17	..
Success	..	..	..	..	4.25	Clifton Hill	18.00	8.78	30	8	6.97
Cornwall	..	..	..	..	..	Kendal, Manchester	10.70	4.49	30	9	9.83
Rose Hall	..	..	..	..	4.24	Mereworth	16.46	8.03	30	8	..
Cinnamon Hill	..	..	..	..	4.78	Mandeville	12.04	7.15	30	8	9.93
Tryall	..	..	..	..	6.05	Ulster Spring	17.85	1.87	18	24	11.90
Running Gut	..	..	..	..	4.74	Greenvale	10.78	2.05	4	16	..
Spring Estate	..	..	..	..	4.28	Albert Town	14.98	2.33	30	21	10.58
Friendship	..	..	..	..	7.85	Craig Head	15.75	3.00	4	16	..
Windsor Lodge	9.00	2.00	3	11	..	Warsop	22.18	2.88	12	25	..
Latium	11.34	1.80	30	18	..	Troy	17.41	2.41	12	21	14.60
Retirement	8.56	2.67	18	12	8.50	Wallingford	17.18	4.00	30	17	11.80
Montego Bay	6.32	1.83	30	13	7.12	Balaclava	17.46	3.74	30	15	12.13
Anchovy	8.52	1.79	22	17	8.00	Braes River	14.11	2.83	30	14	..
Hopewell	10.71	2.35	3	18	..	Wakefield	12.76	2.95	30	20	..
Blue Hole	12.29	2.55	30	15	12.10	Appleton	16.06	5.15	30	17	..
Cascade	29.87	3.83	7	22	..	Aberdeen	16.56	4.00	30	19	..
Lucea	5.71	1.80	30	17	8.53	Accompong	..	..	..	..	..
Haughton Court	5.65	1.65	30	11	8.89	Maggotty	14.50	3.36	30	15	13.21
Kendal—Hanover	15.52	3.70	11	21	..	Lacovia	16.76	3.84	30	17	..
Blenheim	11.63	2.86	13	21	..	Mulgrave	24.61	4.55	30	25	..
Cousins Cove	7.46	1.55	30	26	..	Holland	..	..	..	..	..
Green River	15.59	2.11	28	20	..	Ipswich	17.19	2.40	30	22	..
Green Island	10.98	1.35	13	19	9.84	Ginger Hill	25.47	4.10	30	19	..
Haughton Hall	8.96	1.41	7	19	..	Kempshot	8.71	2.58	29	13	10.19
CENTRAL SUB-DIVISION.						Garlands	17.85	3.50	4	26	..
Knollis	..	..	..	..	..	Moch, St. James	..	..	..	..	..
Highgate (St. Cath.)	15.73	5.57	30	14	..	Catadupa	14.98	2.38	10	21	15.76
Rio Magno	10.70	4.50	31	8	..	Cambridge	13.30	1.62	30	17	13.30
Riversdale	12.70	4.00	30	11	..	New Market	22.65	4.71	30	18	12.50
Headworks, R.C.C.	8.87	4.70	30	8	7.31	Springfield	24.92	4.59	30	16	..
Bog Walk	12.84	7.25	30	9	..	Petersville	12.39	2.05	17	14	..
Linstead	13.96	7.10	30	19	..	Kew Park	12.83	2.86	10	23	12.97
Ewarton	10.15	4.50	30	9	9.69	Seaford Town	18.30	2.30	15	27	..
Greenock	..	..	..	..	..	The Bog	22.00	4.04	30	18	14.15
Cave Valley	11.27	3.75	30	14	..	Exeter	28.83	4.00	10	27	..
Guanaboa Vale	6.75	2.15	30	7	..	Bethel Town Dist.	15.17	2.54	10	23	16.95
Point Hill	9.01	4.40	30	6	11.11	Burnt Ground	16.01	1.70	20	24	13.74
Brown's Hall	7.60	1.75	30	15	8.38	Copse	16.62	2.40	30	22	..
Bellas Gate	10.70	4.60	31	8	5.57	Haughton Grove	24.47	2.70	13	22	13.98
Rock River	9.02	4.16	30	10	..	Knockalva	19.70	2.21	3	23	..
Crofts Hill	13.34	7.10	30	7	7.16	Darlston	26.68	3.95	10	25	16.30
Kellitts	10.13	2.50	30	10	..	Whithorn	16.52	2.07	20	18	13.29
Suttons	..	..	..	..	..	Water Works Pen	24.15	3.70	20	23	11.86
Colonel's Ridge	13.88	2.39	30	14	..	Williamsfield, Wld.	20.65	2.40	6	18	..
Chapelton	11.04	4.85	30	13	8.55	Petersfield	21.14	2.86	20	23	..
Crooked River	16.82	4.75	20	12	..	Baulk	19.32	3.10	12	20	..
James Hill	15.41	3.79	16	17	..	Askenish	19.52	2.45	10	19	12.65
Frankfield	19.18	5.02	30	16	7.52	Grange Hill	24.87	3.96	18	22	13.44
WEST-CENTRAL DIVISION (W.C.)						Mount Eagle	22.23	3.70	18	21	..
Moch, Clarendon	11.08	8.27	30	7	9.71	King's Vale	4.20	0.46	25	18	11.38
Thompson Town	18.05	7.55	30	10	..	SOUTHERN DIVISION, (S.)					
Porus	10.75	5.62	30	8	..	Morant Point L. H.	16.07	6.80	30	12	8.68
Boro-bridge	17.44	5.90	31	11	..	Golden Grove	17.95	8.15	31	12	7.69
Spaldings	21.17	7.17	30	13	7.74	Pleasant Hill	18.60	7.81	30	13	8.88
Williamsfield	..	..	..	..	..	East Prospect	14.54	5.25	31	7	7.31
Brokenhurst	15.92	7.53	30	5	9.59	Morant Bay	10.59	5.20	30	7	..
Shooter's Hill	11.86	4.95	30	11	7.34	Lloyds	7.05	3.40	31	5	..
						Yallahs	8.56	4.31	30	3	6.26
						Fasington	..	..	..	..	..
						Mavis Bank	..	..	..	..	..

STATIONS.	May, 1942.					STATIONS.	May, 1942.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, <i>contd.</i>	Ins.	Ins.			Ins.	SOUTHERN DIVISION, <i>contd.</i>	Ins.	Ins.			Ins.
Harbour Head	6.72	4.22	30	2	..	Cottage	8.63 12.87	3.05	30	5	..
Dallas Castle	9.26	5.01	30	9	..	Belle Plain	12.87	5.76	30	7	..
Gordon Town	9.75	4.30	30	8	7.13	Milk River	9.90	5.25	30	5	5.60
Irish Town	11.93	3.00	30	14	6.56	Retrieve	9.91	4.41	30	6	4.77
Hope Gardens	9.02	4.42	30	12	6.23	Stone's Hope	11.38	7.16	30	4	8.51
Bamboo Pen	7.35	4.30	30	8	..	Newport, Man.	10.97	7.10	30	6	8.02
Plumb Point L.H.	5.19	3.65	30	3	4.57	Alligator Pond	7.63	4.85	30	4	5.15
King's House Gar.	6.53	3.70	30	8	5.84	Myersville	7.78	3.74	30	6	..
Up-Park Camp	6.12	3.78	30	8	..	Goshen	10.41	3.27	30	12	..
Cavaliers	5.37	3.30	30	6	..	Munro	10.62	6.64	30	9	..
St. George's College	5.55	4.00	30	3	..	Windsor, St. Eliz.	12.88	5.10	16	9	..
Upper Kingston	5.65	4.02	30	5	2.44	Torrington	8.09	5.00	30	6	6.26
Parado Garden	5.12	3.70	30	4	..	Santa Cruz	12.76	2.81	30	19	11.02
Shortwood College	8.56	4.55	30	15	..	Hounslow	7.16	3.45	30	6	..
Kingston P.W.O.	5.08	3.70	30	5	4.01	Bull Savannah	5.59	3.95	30	5	..
Constant Spring	10.83	5.12	30	15	..	Pedro Plains	..	..	..	..	3.48
Halfway Tree	6.41	3.75	30	5	..	Mountainside	7.55	3.60	30	7	3.73
Clifton Pen	6.88	5.25	30	4	3.94	Fort Charles	4.83	4.00	31	2	..
Twickenham Park	6.68	5.00	30	4	..	Black River	7.92	3.32	30	8	6.57
Red Hills	11.33	5.33	30	11	..	Mt. Charles	17.11	4.10	30	17	..
Quarantine Station	3.10	3.10	30	1	3.33	Mount Edgecombe	12.14	3.40	30	17	8.37
Hematine	4.45	3.06	30	3	6.19	Bluefields	14.78	3.37	30	14	11.86
Spanish Town	4.80	2.96	30	4	5.82	Sav.-la-Mar	12.51	2.65	30	14	8.60
Hog Hole, St. Cath.	5.61	2.94	30	5	6.65	Little London	18.74	4.08	10	15	9.89
Old Harbour	6.59	3.90	30	6	5.85	Retreat	15.40	3.70	10	15	9.03
May Pen	5.10	3.32	30	3	6.44	Sheffield	10.18	4.10	10	4	..
Glen Muir	5.65	3.85	30	2	..	Negril Point L.H.	12.15	2.31	31	11	6.25
Pennants	11.05	5.90	30	10	..						

NOTES.

COMPARATIVE TABLE OF RAINFALL
AND DAYS ON WHICH RAIN FELL.

DIVISIONAL AND ISLAND RAINFALL.	May.			
	Rainfall, inches.		Days on which Rain fell.	
	1942.	Ave.	1942.	Ave.
North-eastern	16.25	9.76	13	13
Northern	8.78	6.90	12	10
West-central	16.59	12.06	18	15
Southern	9.89	6.35	8	10
The Island means	12.88	8.77	13	12

SHOCKS OF EARTHQUAKE IN MAY, 1942.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
		None reported.	

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND—MAY.

The mean rainfall for the Island was much above the average in all Divisions. The "Season" rains were very late and the bulk of the rain fell on the 30th and 31st.

The greatest total fall for the month was 44.56 inches at Port Antonio in the North-eastern Division and the heaviest fall in 24 hours was 21.12 inches at the same station on the 30th.

The mean number of rain days was 13, the average for the month being 12. Bowden Pen, in the North-eastern Division, and Seaford Town and Exeter in the West-central Division, had the greatest number—27 each.

The mean rainfall in each parish is given below, compared with the 10-year average. Portland with 25.70 inches, was highest; Westmoreland with 18.19 inches next; and St. Elizabeth with 14.55 inches was third. Kingston with 5.30 inches, was lowest. The average was exceeded in all parishes.

Parish.	1942 Inches.	10-year average Inches.
Kingston	5.30	1.90
St. Andrew	11.27	5.73
St. Thomas	13.74	5.30
Portland	25.70	9.96
St. Mary	9.76	7.74
St. Ann	9.07	6.90
Trelawny	12.10	7.45
St. James	10.40	8.79
Hanover	13.82	11.00
Westmoreland	18.19	10.77
St. Elizabeth	14.55	6.86
Manchester	12.80	5.91
Clarendon	12.58	5.67
St. Catherine	9.64	6.31

CITY OF KINGSTON.

The total rainfall for the month of May was 5.03 inches, the 60-year average being 4.02 inches. The "season's" rainfall was deficient up to the 29th and nearly the whole precipitation was confined to the 30th and 31st May. The greatest fall in 24 hours was 3.70 inches, on the 30th. There were 5 days with appreciable rainfall against the average of 7 days. The upper boundary of Kingston gauged 5.65 inches, with five rain days.

The several directions in which distant rainfall was observed are as follows:—To northward on six days, to north-eastward on seven, to east on three, to south once, and to northwest on three.

Distant thunderstorm to northward on 14th and 17th, to northeast on 4th, 14th and 18th, to southward on 30th and to northwest on 17th, 18th and 20th. Local thunderstorm on the 30th at 6.00 p.m.

The mean barometric pressure was 29.895 inches, the 33-year normal being 29.910 inches, or 0.015 inch below the normal. Highest reading was 29.966 inches, on the 24th at 3.00 p.m., and the lowest was 29.830 inches on the 17th, at 7.00 a.m. corrected for diurnal variation.

The mean temperature based upon 4 observations per day for the month was 82.0°, the 33-year normal being 79.7° or 2.7° above the normal. The highest maximum was 92.7° on the 22nd and 29th. The lowest minimum was 68.4° on 2nd, giving an extreme monthly range of 24.3°. On the other hand, the lowest maximum was 76.6°, on the 31st, (a rainy day) and the highest minimum was 77.9°, on the 29th and 30th. The highest maximum was also recorded on the 29th. The greatest range was 21.0°, on the 2nd, and the least range 4.4° on the 31st.

The maximum temperature in May attained 90° or above on 24 days. To the end of May for this year (5 months) there were 59 days recording 90° or above. In the previous year, 1941, which recorded the greatest for the previous 11 years, there were in the aggregate only 24 days in the first 5 months recording temperature of 90° and over. The minimum was 70° or above on 29 days.

The mean daily miles of wind registered was 207, which is one per cent. below the 25-year normal of 209 miles. The greatest number of miles recorded in 24 hours was 300 on the 23rd, and the least 112 on the 2nd. The greatest velocity, 36 miles per hour, of short duration, occurred on the 10th, at 1.15 p.m. There was a south-east rain-squall on the 30th, at 5.20 p.m. Southeasterly wind appeared early once, and continued until late 11 times.

The mean relative humidity was 71%, the 33-year normal being 79%, or 8% difference, no doubt attributable to higher mean temperature and almost dry weather up to the 29th. The mean 7 a.m. was 70%, and mean 3 p.m. 63%. Lowest 7 a.m. 61%, on the 13th, and lowest 3 p.m. 47%, on the 2nd.

Overcast conditions prevailed in the early forenoon on 7 occasions and in the afternoon on 27.

Total evaporation for the month was 9.37 inches, as compared with the 10-year normal of 7.91 inches.

Mean daily number of sunshine hours 8.2.

J. F. BRENNAN,
Government Meteorologist.

Kingston, Jamaica,
20th June, 1942.

CORRIGENDA.

Weather Report No. 792—Page 6:

The Island Rainfall 1941. Amend total of column 6—(1941) to read 66.39 instead of 66.37.

Page 8:

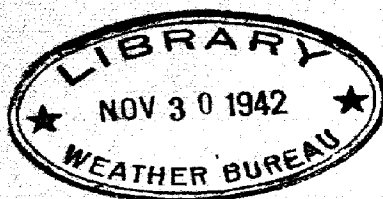
Table (c)—Kingston Jamaica Meteorological Results. February 7 a.m. Temperature:

Amend 83.6° to read 70.4° and Mean 7 a.m. Temperature 76.0° to read 74.9°.

Weather Report No. 781—Page 1—

Meteorological Results, Montego Bay. Temperature 3.00 p.m.

Amend 89.2° to read 82.9°.



No. 798



JAMAICA

WEATHER REPORT.

FOR THE MONTH OF
JUNE, 1942.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first two standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) cloud cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature. (F.)					Extreme Temperature (F.)				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.
		ft.	ins.	ins.	°	°	°	°	°	°	°	°	°
Morant Point Light House	8	29.950	29.901	81.5	83.5	85.6	78.0	7.6	88.5	16	70.3	2	18.2
Kingston	24	29.924	29.892	77.5	85.4	87.7	74.0	13.7	93.2	26	71.4	2	21.8
Negril Point Light House	33	29.912	29.884	78.5	85.2	87.2	73.7	13.5	90.3	21	70.0	22	20.3
Montego Bay †	33			76.5	84.8	90.1	72.2	17.9	94.0	22	70.5	14	23.5
Castleton Gardens*	496												
Hope Gardens*	668												
Hill Gardens, Blue Mountains	4,900												

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.		3 p.m.			
	ft.	°	%	°	%	ins	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Point Light House	8	77	89	78	85	13.86	290	E	16.0	E	13.0	3.5	3.2	1.7	3.4	3.2	1.6
Kingston	24	70	81	74	69	13.25	208	NE	4.3	SE	15.2	2.7	0.6	2.7	3.1	2.8	1.8
Negril Point Light House	33	72	81	75	73	3.30	137	ESE	5.7	SSE	9.3	2.0	1.0	3.7	3.4	3.9	0.6
Montego Bay	33	74	91	78	77	4.86	..	E	..	E	..	..	..	..	..	..	..
Castleton Gardens	496	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mtns.	4,900	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

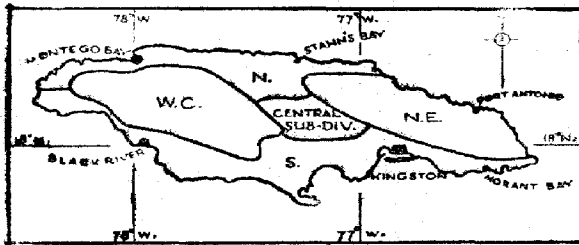
* And on other days. † Montego Bay—observations made at 8 a.m. and 3 p.m.

THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929". In obtaining the mean rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-eastern and West-central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica", following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



STATIONS.	June, 1942.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION (N.E.)	Ins.	Ins.			Ins.
Manchioneal	22.71	4.81	3	11	6.76
Ecclesdown	32.84	9.80	3	22	
Priestman's River	15.85	4.60	4	11	4.99
Bath	28.42	8.60	3	16	10.91
Barrett's Gap	44.68	11.44	1	23	
Millbank	40.72	9.25	3	25	
Bowden Pen	50.21	17.27	3	26	
Moore Town	33.14	4.30	8	22	18.56
Port Antonio	16.77	5.00	8	22	14.32
Passley Garden	17.51	5.01	10	17	
Fellowship	20.91	3.38	8	18	17.26
Johnson River Br.	49.45	12.00	3	12	11.52
Trinity Ville	55.34	12.00	3	14	
Fruitful Vale	14.10	3.72	9	15	
Shrewsbury					
Hope Bay	13.17	2.47	8	18	
Cedar Valley	56.33	16.50	8	14	11.22
Swift River	16.00	5.56	8	12	
Lennox	14.80	5.42	2	12	
Greenvale	10.35	2.85	8	12	3.66
Darley	10.07	2.00	2	15	
Spring Garden					3.92
Hill Gardens	24.41	8.18	8	14	6.73
Buff Bay	8.95	2.00	9	13	6.00
Buff Bay R. Est.	5.90	1.50	11	8	
Belvedere, Portland	3.98	1.26	2	6	1.98
Windsor Castle, do.					5.00
Balcarras	12.09	3.03	9	14	
Mt. Holstein	11.44	2.22	13	18	5.54
Cedar Hurst	15.01	4.90	8	21	
Hardware Gap	16.68	3.24	3	14	6.58

STATIONS.	June, 1942.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION, contd.	Ins.	Ins.			Ins.
Rose Hill	17.78	4.12	8	18	6.18
Mount Cressy	14.85	3.00	13	19	
Hermitage	13.64	2.06	28	20	
Mount Airy	17.84	2.68	28	19	
Stony Hill Ind. Sch.	13.94	3.45	8	17	6.53
Golden Spring	11.22	2.30	8	20	
Brandon Hill	19.59	3.78	16	18	
Enfield	6.74	1.30	8	11	
Agualta Vale	5.75	1.35	26	12	2.93
Castleton Gardens	17.79	3.55	16	18	8.82
Water Valley	4.75	0.90	8	9	3.74
Albany					3.01
Platfield	11.57	2.80	16	21	
Lawrence Tavern	15.02	2.76	28	17	6.27
Wey Hill	10.98	2.41	13	19	
Richmond, St. Mary	6.28	1.07	8	10	4.69
Quebec, St. Mary					4.48
Above Rocks	8.86	2.00	8	13	
Glengoffe	14.85	2.50	8	15	
Carew Castle	12.05	1.65	8	20	8.51
Hampstead, St. Mary	5.15	1.70	8	8	3.57
Windsor Castle do.	10.97	1.96	3	12	
Troja	16.37	2.59	1	18	
Pear Tree Grove	10.09	2.00	16	8	
Guy's Hill	11.28	1.80	2	14	5.74
Lucky Hill	8.31	1.79	3	13	3.66
Rio Hoe	5.55	1.13	7	11	7.47
Unity Valley	10.18	1.56	2	20	7.72
Moneague	8.00	1.06	1	19	7.39
Claremont	5.91	1.53	1	14	5.04
Averham Park	7.75	2.42	7	17	4.94
Albion	7.07	1.25	30	14	6.16
NORTHERN DIVISION (N.)					
Port Maria	6.14	1.65	2	12	4.86
Wentworth					
Jacks River	5.87	1.15	1	11	
Oracabessa	6.21	1.64	1	11	
Retreat	5.63	2.00	3	8	
Huddersfield	3.29	3.29	4	1	
Exchange	6.31	3.58	3	7	
Ocho Rios	4.56	1.70	3	9	3.16
Rockfield	8.96	2.58	3	19	3.10
Liberty Hill	6.35	2.16	4	13	3.58
St. Ann's Bay	7.47	2.82	6	13	3.67
Richmond Estate	5.44	1.90	6	11	4.10
Runaway Bay	2.62	0.62	6	6	1.29
Thatchfield	7.94	1.47	7	18	
Knapdale	5.39	1.50	6	14	
Alexandria	4.57	1.20	9	7	3.18
Bel-Air	4.25	0.95	6	14	
Brown's Town	3.58	0.72	6	13	3.55
Wilton	3.81	0.96	6	13	
Watt Town, St. Ann	11.32	3.11	1	19	3.86
Home Castle	4.30	1.85	15	6	3.60
Stewart Town	7.52	2.60	30	13	
Arcadia	2.94	0.90	16	12	3.70
Vale Royal	5.73	1.68	7	16	4.09
Harmony Hall					2.56
Duncans	7.46	1.50	6	13	
Clark's Town	10.78	2.31	16	12	
Gibraltar	10.25	1.90	5	16	
Falmouth	6.34	1.72	6	10	2.40

STATIONS.	June, 1942.					STATIONS.	June, 1942.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Maroon Town						Wait-a-bit	11.63	3.25	8	17	
Adelphi	7.56	2.06	30	11		Christiana	11.79	4.37	8	16	5.96
Windsor Lodge	8.00	2.00	6	12		Holmwood	11.31	4.15	8	13	
Latium						Clifton Hill	14.12	6.05	8	9	4.06
Barrett Hall						Kendal, Manchester	13.62	4.05	8	12	7.05
Success					2.19	Mereworth	12.09	4.93	8	17	
Rose Hall					2.70	Mandeville	10.64	4.77	8	12	2.82
Cinnamon Hill					2.78	Ulster Spring	8.79	1.23	6	15	6.31
Tryall					5.08	Greenvale	8.50	2.45	8	15	
Running Gut					2.86	Albert Town	7.06	1.62	6	9	5.35
Spring Estate					2.63	Craig Head	9.77	3.70	5	10	
Friendship	9.33	2.45	5	16	6.04	Warsop	7.42	1.45	5	15	
Irwin	9.33	3.90	5	16		Troy	10.14	2.90	12	16	8.13
Retirement	8.69	1.67	16	17	6.82	Wallingford	8.12	1.30	13	17	5.05
Rose Mount						Balaclava	8.18	1.69	28	14	4.52
Montego Bay	4.86	1.17	5	16	6.17	Braes River	6.22	2.00	5	11	
Anchovy	11.92	3.02	5	15	6.78	Wakefield	9.48	2.06	27	17	
Hopewell	13.75	2.96	28	15		Aberdeen	8.78	1.74	5	16	
Blue Hole	8.53	1.30	5	21	11.30	Accompong					
Cascade	14.43	3.78	5	22		Maggotty	11.79	2.08	12	16	6.53
Lucea	8.05	2.13	5	16	7.90	Lacovia	5.72	1.54	14	11	
Haughton Court	11.08	3.00	5	16	8.17	Mulgrave	14.14	1.95	6	19	
Kendal—Hanover	12.38	2.70	6	18		Holland					
Blenheim	15.72	2.70	16	22		Ipswich	10.86	1.80	1	18	
Cousins Cove	11.78	1.97	16	22		Appleton	12.02	2.70	13	6	
Green River	10.75	3.70	4	21		Ginger Hill					
Green Island	12.67	1.85	16	15	11.93	Kempshot					8.57
Haughton Hall	12.99	3.18	4	19		Garlands	8.98	1.35	27	21	
CENTRAL SUB-DIVISION.						Mocho, St. James					
Knollis	15.85	4.00	2	12		Catadupa	8.97	1.18	12	16	9.83
Highgate (St. Cath.)						Cambridge	7.12	1.53	13	18	9.97
Rio Magno	16.02	2.16	4	14		New Market	10.26	1.33	28	17	7.99
Riversdale	16.54	2.60	4	16		Springfield					
Headworks, R.C.C.	15.09	4.02	2	13	4.56	Kew Park	8.40	1.58	27	17	9.21
Bog Walk	17.16	7.00	2	9		Seaford Town	8.02	1.50	27	20	
Linstead	19.17	4.02	2	19	7.24	Petersville	6.73	1.80	1	12	
Ewarton	15.82	4.00	2	10		The Bog	8.31	1.28	1	18	8.37
Cave Valley	8.68	1.40	4	15	7.11	Exeter	14.02	3.20	14	17	
Guanaboa Vale	14.71	4.65	8	8		Bethel Town Dist.	18.14	1.41	15	20	11.15
Point Hill	21.03	3.80	3	15	8.23	Copse					
Brown's Hall	24.25	4.38	9	13	9.18	Burnt Ground	5.89	1.75	13	16	10.07
Bellas Gate	15.07	3.11	3	11	1.82	Haughton Grove	10.95	2.59	13	17	8.80
Rock River	17.83	5.07	8	10		Knockalva					
Crofts Hill	14.72	3.85	8	12	3.52	Darliston	10.52	1.90	12	16	10.53
Kellits	11.23	2.20	8	12		Whithorn	7.67	1.40	13	10	10.16
Suttons						Water Works Pen	8.56	1.15	29	18	8.87
Colonel's Ridge	14.05	3.00	8	18		Williamsfield, Wld.	13.94	3.00	1	12	
Chapelton	13.92	3.85	8	18	5.98	Petersfield	7.01	2.54	13	15	
Crooked River	16.28	2.90	8	18		Baulk	8.06	1.45	14	15	
James Hill	15.38	3.48	8	20		Askenish	18.54	3.25	4	20	15.10
Frankfield	12.57	2.08	8	16	4.37	Grange Hill	9.20	1.13	1	18	11.09
WEST-CENTRAL DIVISION (W.C.)						Mount Eagle					
Mocho, Clarendon	13.65	3.51	8	11	6.25	King's Vale	3.81	0.60	4	16	11.84
Thompson Town	15.85	3.42	8	16		SOUTHERN DIVISION (S.)					
Porus						Morant Point L. H.	13.86	4.65	4	16	5.59
Boro-bridge	23.06	5.02	8	11		Golden Grove	15.17	6.15	1	15	
Spaldings	13.51	6.10	8	12	4.10	Pleasant Hill	16.02	5.90	1	19	3.79
Williamsfield						East Prospect	19.96	7.74	1	19	6.38
Brokenhurst	11.09	3.56	8	14	9.92	Morant Bay	26.26	5.45	1	16	7.59
Shooter's Hill	13.64	4.74	8	13	4.86	Lloyds	48.47	11.00	4	13	
						Yallahs	39.48	9.80	3	10	
						Easington	40.16	10.43	4	9	7.36
						Mavis Bank	23.89	7.65	8	12	

STATIONS.	June, 1942.					STATIONS.	June, 1942.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
Harbour Head	30.46	11.64	4	10		Cottage	18.14	7.17	8	10	
Dallas Castle	26.42	8.57	4	12		Pennants	11.58	4.07	9	11	
Gordon Town	17.79	4.60	8	11	4.40	Belle Plain	19.34	3.50	8	9	
Irish Town	17.51	3.90	9	12	3.93	Milk River	11.97	3.60	8	11	4.88
Hope Gardens	14.29	4.50	8	12	4.66	Retrieve	16.29	4.38	8	8	2.74
Bamboo Pen	14.60	2.60	8	12		Stone's Hope	10.42	3.22	8	13	7.44
Plumb Point L. H.	20.44	10.05	4	8	3.85	Newport, Man.	9.49	3.14	8	9	6.99
King's House Gar.	12.41	3.34	4	14	3.82	Alligator Pond	4.06	1.20	8	7	3.65
Up-Park Camp	15.81	7.10	4	10		Myersville	4.28	1.22	8	8	
Cavaliers	15.41	6.46	4	10		Goshen	7.46	1.55	14	11	
St. George's College	15.86	7.40	4	12		Munro	4.80	1.45	1	13	
Upper Kingston	15.09	6.92	16	11	0.99	Windsor, St. Eliz.	2.79	1.18	1	13	
Parade Garden	11.63	6.00	4	16		Torrington	2.95	0.75	1	5	3.05
Kingston P.W.O.	13.25	5.48	4	11	3.53	Santa Cruz	6.85	1.21	12	14	5.15
Shortwood College	12.63	2.20	2	15		Hounslow	2.47	0.92	2	5	
Constant Spring	13.75	2.06	2	19		Bull Savannah	4.14	1.13	8	6	
Halfway Tree	13.92	4.75	4	10	3.24	Pedro Plains	2.46	0.60	1	5	2.10
Clifton Pen	18.04	6.47	4	10	3.43	Mountainside	1.64	0.80	1	4	2.04
Twickenham Pen	11.19	3.03	8	10		Fort Charles	2.24	1.31	2	2	
Red Hills	10.37	2.60	8	9		Black River	5.61	3.14	15	7	3.58
Quarantine Station	17.62	4.20	9	11	2.19	Mt. Charles	9.22	1.89	12	6	
Hematine	10.65	2.91	2	9	2.41	Mount Edgecombe	5.80	2.41	15	13	6.11
Twickenham Park	16.90	4.50	8	9		Bluefields	6.83	2.66	15	10	9.42
Spanish Town	13.77	4.65	8	10	4.68	Sav.-la-Mar	2.11	0.44	28	10	6.61
Hog Hole, St. Cath.	15.49	4.58	2	9	4.43	Little London	4.83	0.85	30	12	8.52
Old Harbour	17.82	8.53	8	10	5.30	Retreat	2.53	0.47	2	13	7.39
May Pen	16.32	4.70	8	11	5.11	Sheffield	3.08	0.71	25	2	
Glen Muir	14.90	3.16	2	11		Negril Point L. H.	3.30	0.60	3	12	5.51

NOTES.

COMPARATIVE TABLE OF RAINFALL
AND DAYS ON WHICH RAIN FELL.

DIVISIONAL AND ISLAND RAINFALL.	June.			
	Rainfall, inches.		Days on which Rain fell.	
	1942.	Ave.	1942.	Ave.
North-eastern	15.54	7.51	16	11
Northern	10.28	5.10	14	9
West-central	9.94	8.57	15	13
Southern	12.35	4.93	11	8
The Island means	12.03	6.53	14	10

SHOCKS OF EARTHQUAKE IN JUNE, 1942.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
17th	12.00 p.m.	I	Kingston and St. Andrew.

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND—JUNE.

The mean rainfall for the Island was much above the average, in all Divisions. Heavy and continuous rains fell during the first week, which did considerable damage to roads and bridges, particularly in St. Thomas.

The greatest total fall for the month was 56.33 inches, at Cedar Valley in the North-eastern Division, closely followed by Trinity Ville in the same Division, with 55.34 inches. Other large falls were 50.21 inches at Bowden Pen, 49.45 inches at Johnson River Bridge, all in the same Division, and 48.47 inches at Lloyds in the Southern Division.

The heaviest fall in 24 hours was 17.27 inches at Bowden Pen, in the North-eastern Division, on the 3rd. Other heavy falls were Cedar Valley, 16.50 inches, on the 8th; Johnson River Bridge and Trinity Ville 12.00 inches on the 3rd; Barrett's Gap 11.44 inches, on the 1st; all in the North-eastern Division, and Lloyds in the Southern Division, 11.00 inches on the 4th.

The mean number of rain days was 14, the average for the month being 10. Bowden Pen had the greatest number, 26.

The mean rainfall in each parish is given below, compared with the 10-year average, St. Thomas with 34.89 inches, was highest; Portland with 25.70 inches, next; and St. Andrew with 16.64 inches was third. St. Ann with 6.36 inches was lowest.

Parish	1942.	10-year average.	Parish.	1942.	10-year average.
	inches.	inches.		inches.	inches.
Kingston	16.16	2.42	St. James	8.52	6.85
St. Andrew	16.64	4.21	Hanover	11.42	10.83
St. Thomas	34.89	8.64	Westmoreland	7.53	8.58
Portland	25.70	8.19	St. Elizabeth	6.95	4.46
St. Mary	7.70	4.85	Manchester	10.98	6.62
St. Ann	6.36	4.67	Clarendon	15.24	5.31
Trelawny	8.12	5.41	St. Catherine	16.13	5.71

The total rainfall for the first half of the year is given below, compared with the 60-year average, and shewns an excess of 14.30 inches:—

	1942.	60-year average.
	inches.	inches.
January	4.27	4.00
February	3.47	3.13
March	4.68	3.35
April	7.52	4.77
May	12.88	8.77
June	12.03	6.53
	44.85	30.55

CITY OF KINGSTON.

The total rainfall for the month of June was 13.25 inches, the 60-year normal being 3.51 inches or nearly 4 times the normal. There were 11 days with rain. Nearly all the precipitation occurred from the 1st to the 9th. The number of rain days nearly doubled that of the 50-year average. The greatest fall in 24 hours was 5.48 inches, on the 4th. The upper boundary of Kingston gauged 15.09 inches, with 11 rain days.

Distant rain to northward on 5 days, to north-eastward on 3, to east, southeast and south one day each, and to northwest on 4 days.

Distant thunderstorm to north on 4 days, to northeast on 3, to east, southeast, south and southwest on one day each, and to northwest on 3 days.

The mean barometric pressure was 29.915 inches, the 33-year normal being 29.932 inches, shewing 0.017 inch below the normal. Highest reading 29.987 inches, on the 9th at 3 p.m., and the lowest, 29.809 inches, on the 7th at 7 a.m., at the time of heavy rainfall. Readings are corrected for diurnal variation.

The mean temperature, based upon four observations per day, was 80.7°, the 33-year normal being 80.9°, or 0.2° below normal. The temperature was below normal for most days during the heavy rainfall period. Highest maximum 93.2°, on the 26th, and lowest minimum 71.4°, on the 2nd. The extreme monthly range was, therefore, 21.8°. The maximum temperature was 90° and above on 13 times, and the minimum was 70° and above throughout. On the other hand, the lowest maximum was 75° on the 1st, in heavy rainfall, and the highest minimum 77.3° on the 20th. Greatest range 18.4° on the 25th and 29th, and the least range 2.4° on the 4th, when over 5 inches of rain was recorded.

The mean daily miles of wind recorded was 208, the 25-year normal being 239, or 13% below normal. The greatest number of miles of wind recorded in 24 hours was 346, on 21st, and the least was 80 on the 6th. Greatest velocity, of short duration, was 30 miles per hour, at 2.30 p.m., on the 19th.

The mean relative humidity was 78%, which corresponds with the 33-year normal. The mean 7 a.m. was 81%, and mean 3 p.m. 69%. Lowest 7 a.m. 66%, on the 22nd, and lowest 3 p.m. 48%, on the 21st.

Overcast conditions prevailed in the early forenoon on 16 occasions, and in the afternoon on 22 occasions.

Total evaporation for the month 6.07 inches, the normal being 6.93 inches. The deficiency is no doubt due to excess of rainfall in the early days of the month, and the mean temperature a little below the normal.

Mean daily number of sunshine hours was 6.6.

WEATHER DISTURBANCE.

On the 8th June, at 7 a.m., Negril Point reported brisk south-easterly rainsqualls and heavy seas, probably owing to a small depression forming to the westward of Negril Point. The barometric pressure at Negril Point fell to 29.828 inches, or about one-tenth of an inch below normal. Notices to shipping at 9.20 a.m. on 8th. This disturbance apparently proceeded westerly of Negril. The pressure on the 9th, was rising.

The Kingston barometer read about half-a-tenth below normal.

EARTHQUAKE.

A moderate Earthquake occurred on the 17th of June, 1942. It was felt in Kingston and St. Andrew.

Kingston,
July 20th, 1942.

J. F. BRENNAN,
Government Meteorologist.



No. 799



JAMAICA WEATHER REPORT.

FOR THE MONTH OF

JULY, 1942.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first two standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) cloud cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature. (F.)					Extreme Temperature (F.)				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.
		ft.	ins.	ins.	°	°	°	°	°	°	°	°	°
Morant Point Light House	8	30.002	29.978	82.8	85.7	87.6	78.8	8.8	89.5	22	73.0	9	16.5
Kingston ..	24	29.968	29.928	78.4	87.8	91.0	75.2	15.8	95.0	3	71.4	15	23.6
Negril Point Light House	33	29.966	29.936	78.4	84.9	89.1	73.3	15.8	91.5	27	71.0	20	20.5
Montego Bay † ..	33	..	..	77.2	87.5	91.5	72.9	18.6	93.5	24	70.0	15*	23.5
Castleton Gardens ..	496	..	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens ..	668	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mountains ..	4,900	..	..	..	..	..	..	..	..	..	..	..	..

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.					Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.					7 a.m.		3 p.m.		7 a.m.			3 p.m.		
		ft.	°	%	°	%			ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.
Morant Point Light House	8	78	86	79	81	3.83	314	E	18.0	E	14.0	3.7	3.2	0.8	2.4	3.9	1.2	
Kingston	24	70	77	73	63	0.45	211	NE	5.8	SE	17.9	1.7	0.6	2.2	2.0	2.9	2.6	
Negril Point Light House	33	72	82	75	73	6.04	119	ENE	4.1	ESE	7.5	0.8	0.3	3.6	5.6	2.8	0.1	
Montego Bay	33	74	91	79	77	4.90	..	E	..	NE	..	..	..	..	..	..	..
Castleton																		
Gardens	496	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens,																		
Blue Mtns.	4,900	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

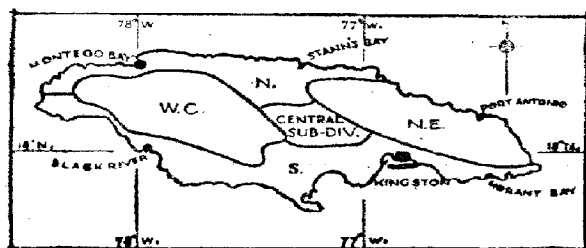
* And on other days. †Montego Bay—observations made at 8 a.m. and 3 p.m.

THE RAINFALL.

THE first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929". In obtaining the mean rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-eastern and West-central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica", following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



STATIONS.		July, 1942.				
		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
			Amount.	Date.		
NORTH EASTERN DIVISION, contd.		Ins.	Ins.			Ins.
Rose Hill	4.26	0.85	14	16	5.40	
Mount Cressy	7.54	2.70	23	19		
Hermitage	3.16	0.73	14	16		
Mount Airy	7.31	1.90	23	15		
Stony Hill Ind. Sch.	2.76	1.00	14	8	4.87	
Golden Spring	3.51	1.50	12	19		
Brandon Hill	11.26	2.90	19	16		
Enfield	7.02	1.13	5	10		
Agualta Vale	7.28	1.55	13	18	3.15	
Castleton Gardens	10.65	2.80	9	9	5.86	
Water Valley	6.25	0.96	5	17	3.13	
Albany	6.41	1.22	6	17	3.63	
Platfield	5.88	1.32	11	17		
Lawrence Tavern	6.79	1.16	5	14	5.09	
Wey Hill	5.81	1.13	12	13		
Richmond, St. Mary	3.70	0.64	9	13	3.26	
Quebec, St. Mary	5.65	0.87	13	13	3.42	
Above Rocks	6.58	1.50	5	12		
Glengoffe	9.65	1.35	16	13		
Carew Castle	6.47	0.83	20	14	6.24	
Hampstead, St. Mary	8.45	1.50	9	14	2.87	
Windsor Castle do.	3.82	1.12	14	14		
Troja	6.68	1.60	16	11		
Pear Tree Grove	2.59	1.00	29	5		
Guy's Hill	4.35	0.56	13	12	3.83	
Lucky Hill	5.83	1.14	9	18	2.85	
Rio Hoe	4.24	0.62	5	13	4.09	
Unity Valley	6.60	1.75	19	17	5.49	
Moneague	3.92	0.71	28	14	4.51	
Claremont	2.37	0.51	29	11	3.23	
Averham Park	4.51	1.00	7	21	2.91	
Albion	2.93	0.52	29	10	3.98	
NORTHERN DIVISION (N.).						
Port Maria	7.52	1.28	8	19	3.89	
Wentworth	7.35	1.80	24	12		
Jacks River	7.51	1.10	13	16		
Oracabessa	6.80	1.08	5	15		
Retreat	5.73	1.00	29	18		
Huddersfield	6.40	1.60	13	10		
Exchange	3.37	0.99	29	8		
Ocho Rios	3.95	1.00	29	9	2.10	
Rockfield	4.39	1.07	29	19	2.91	
Liberty Hill	2.03	0.77	30	8	2.08	
St. Ann's Bay	3.40	1.73	29	7	2.83	
Richmond Estate	4.44	1.98	29	6	2.20	
Runaway Bay	1.44	1.44	29	1	1.06	
Thatchfield	7.39	1.95	12	16		
Knapdale	3.47	0.68	17	16		
Alexandria	4.79	1.75	11	11	2.86	
Bel-Air	3.85	1.20	29	8		
Brown's Town	3.39	0.55	29	15	2.39	
Wilton	3.99	1.00	13	17		
Watt Town, St. Ann	4.18	1.13	9	11	3.00	
Home Castle	2.40	0.75	17	6	2.18	
Stewart Town	3.78	1.90	22	13		
Arcadia	1.88	1.20	16	6	2.16	
Vale Royal	2.58	1.68	16	8	2.64	
Duncans	1.99	0.78	29	6		
Clark's Town	3.19	0.85	17	5		
Gibraltar	4.97	1.60	2	9		
Falmouth	2.00	0.73	29	5	1.46	
NORTH-EASTERN DIVISION (N.E.)		Ins.	Ins.			Ins.
Manchioneal	7.50	1.83	24	10	5.49	
Ecclesdown	10.04	2.30	13	23		
Priestman's River	9.83	1.90	4	10	5.64	
Bath	8.56	1.31	5	17	7.93	
Barrett's Gap	11.65	1.75	8	17		
Mill Bank	22.31	4.80	24	23		
Bowden Pen	15.93	3.28	13	29		
Moore Town	21.82	3.00	13	22	16.27	
Port Antonio	13.93	2.70	8	24	10.25	
Passley Garden	13.48	1.90	16	24		
Fellowship	18.24	1.96	13	24	13.80	
Johnson River Br.	6.06	1.30	8	9	6.63	
Trinityville	6.19	1.45	8	11		
Fruitful Vale	18.36	3.40	6	17		
Shrewsbury	15.79	2.60	8	11		
Hope Bay	15.32	2.45	17	18		
Cedar Valley	3.92	1.80	8	8	4.19	
Swift River	15.36	2.80	8	20		
Lennox	13.10	2.40	13	22		
Greenvale	8.17	2.39	5	13	3.57	
Darley	12.40	2.43	8	22		
Spring Garden	15.34	2.40	13	16	3.95	
Hill Gardens	4.49	0.86	4	13	3.36	
Buff Bay	13.96	2.82	13	18	6.15	
Buff Bay R. Est.						
Belvedere, Portland	9.04	2.12	27	9	2.37	
Windsor Castle, do.	11.85	1.60	29	15	3.89	
Balcarres	10.41	1.92	4	18		
Mt. Holstein	6.23	0.96	22	21	4.72	
Cedar Hurst	6.05	1.07	21	20		
Hardware Gap	4.13	0.80	29	14	3.90	

July, 1942.						July, 1942.					
STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.	STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Maroon Town	..	..	..	..	..	Wait-a-bit	6.82	1.53	14	20	..
Adelphi	3.06	1.17	14	6	..	Christiana	2.30	0.48	12	14	4.09
Windsor Lodge	3.95	1.00	29	8	..	Holmwood	1.86	0.35	26	10	..
Latium	4.45	0.96	29	11	..	Clifton Hill	6.56	2.38	13	8	4.97
Barrett Hall	..	..	..	..	..	Kendal, Manchester	4.15	1.10	17	9	5.13
Success	1.90	1.10	2	5	1.30	Mereworth	6.65	1.00	14	16	..
Cornwall	1.88	0.45	13	5	..	Mandeville	4.80	2.13	13	7	5.32
Rose Hall	1.20	0.40	29	5	1.13	Ulster Spring	4.93	1.32	11	9	5.35
Cinnamon Hill	1.77	0.75	3	5	1.18	Greenvale	4.12	1.16	14	10	..
Tryall	1.70	0.55	14	5	3.54	Albert Town	4.26	1.20	22	7	4.92
Running Gut	1.56	0.60	14	5	1.24	Craig Head	5.12	3.10	9	4	..
Spring Estate	1.15	0.80	14	3	1.44	Warsop	6.63	1.30	14	15	..
Friendship	2.75	0.90	22	9	2.88	Troy	8.12	2.00	21	12	6.94
Irwin	2.98	1.27	22	9	..	Wallingford	3.22	0.90	19	13	5.18
Retirement	2.56	0.92	22	8	4.01	Balaclava	3.08	0.67	22	11	4.69
Montego Bay	4.90	1.72	22	7	3.21	Braes River	4.27	1.50	22	11	..
Anchovy	..	..	..	..	4.49	Wakefield	8.91	1.80	14	10	..
Hopewell	2.49	0.74	12	14	..	Appleton	7.60	2.02	22	11	..
Blue Hole	2.33	0.98	20	8	5.85	Aberdeen	4.09	1.27	19	13	..
Cascade	14.58	2.07	1	14	..	Accompong	9.50	2.55	10	13	..
Lucea	3.10	1.88	20	10	4.93	Maggotty	8.22	3.03	25	11	8.35
Haughton Court	3.37	1.81	20	9	4.63	Lacovia	6.36	1.63	14	9	..
Kendal—Hanover	20.61	4.50	19	25	..	Mulgrave	9.44	0.60	10	13	..
Cousins Cove	6.84	1.14	22	18	..	Holland	..	..	..	..	..
Blenheim	7.21	1.49	20	18	..	Ipswich	5.23	0.80	17	14	..
Green River	14.85	2.70	19	22	..	Ginger Hill	14.66	2.65	12	14	..
Green Island	7.97	1.70	1	17	8.59	Kempshot	..	..	..	..	5.68
Haughton Hall	7.81	1.20	1	21	..	Maldon	..	..	..	..	..
CENTRAL SUB-DIVISION.						SOUTHERN DIVISION (S.)					
Knollis	10.79	2.40	13	10	..	Garlands	10.37	2.44	7	17	..
Highgate (St. Cath.)	9.48	1.96	21	22	..	Mocho, St. James	..	..	..	..	..
Rio Magno	3.76	1.30	13	6	..	Catadupa	10.76	2.30	7	20	9.36
Riversdale	6.68	1.65	12	11	..	Cambridge	7.56	1.05	14	17	9.59
Headworks, R.C.C.	4.52	1.44	21	11	2.99	New Market	10.83	1.76	10	16	8.36
Bog Walk	12.07	2.00	14	14	..	Springfield	13.26	2.15	14	13	..
Linstead	11.59	1.64	23	20	5.88	Seaford Town	12.58	3.54	14	18	..
Ewarton	6.26	5.10	12	6	..	Petersville	8.05	0.98	29	..	..
Greenock	..	..	..	..	..	Kew Park	10.53	1.97	14	21	9.85
Cave Valley	7.26	1.63	6	10	4.54	The Bog	9.50	1.45	10	16	9.11
Guanaboa Vale	5.64	1.60	18	7	..	Exeter	12.74	1.85	12	17	..
Point Hill	8.38	1.40	25	13	6.17	Bethel Town Dist.	9.07	2.18	15	20	14.74
Brown's Hall	..	..	..	..	5.20	Copse	7.16	1.83	11	17	..
Bellas Gate	2.33	0.60	8	6	1.30	Burnt Ground	8.04	1.27	10	15	8.81
Rock River	4.34	1.37	15	5	..	Haughton Grove	8.65	1.60	14	11	8.47
Crofts Hill	5.82	1.48	13	5	2.68	Knockalva	5.53	2.05	15	8	..
Kellitts	6.11	1.90	14	7	..	Darliston	14.09	2.16	22	17	11.42
Suttons	5.43	1.88	14	11	..	Whithorn	6.77	1.35	14	11	10.12
Colonel's Ridge	6.17	2.00	14	15	..	Water Works Pen	9.17	1.78	14	20	9.40
Chapelton	2.97	0.87	14	11	3.12	Williamsfield, Wld.	11.90	2.15	22	17	..
Crooked River	5.00	1.64	4	12	..	Petersfield	6.30	0.90	13	18	..
James Hill	8.87	1.57	14	14	..	Baulk	6.89	1.80	7	16	..
Frankfield	6.67	2.21	20	13	4.50	Askenish	12.80	1.80	19	18	10.38
WEST-CENTRAL DIVISION (W.C.)						SOUTHERN DIVISION (S.)					
Mocho, Clarendon	2.23	0.92	9	3	3.46	Grange Hill	12.16	2.94	22	20	11.11
Thompson Town	5.43	1.68	14	11	..	Mount Eagle	14.25	1.90	19	19	..
Porus	5.22	1.50	17	9	..	King's Vale	3.31	0.50	19	18	9.82
Boro-bridge	7.49	1.26	14	11	..	SOUTHERN DIVISION (S.)					
Spaldings	2.71	0.62	29	13	3.79	Morant Point L. H.	3.83	0.82	8	17	3.17
Williamsfield	..	..	..	..	..	Golden Grove	5.25	1.20	8	15	..
Brokenhurst	4.22	0.60	29	12	4.73	Pleasant Hill	5.08	1.29	8	15	3.19
Shooter's Hill	3.00	0.95	13	8	4.88	East Prospect	5.73	1.22	12	16	4.30
						Morant Bay	3.85	0.86	14	9	4.95
						Lloyds	2.66	0.99	8	9	..
						Yallahs	3.19	1.34	13	4	..
						Easington	3.67	1.20	12	5	4.87

STATIONS.	July, 1942.					STATIONS.	July, 1942.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, <i>contd.</i>	Ins.	Ins.			Ins.	SOUTHERN DIVISION, <i>contd.</i>	Ins.	Ins.			Ins.
Mavis Bank ..	2.43	1.25	5	8	..	Cottage ..	0.53	0.19	18	4	..
Harbour Head ..	1.72	0.90	9	2	..	Pennants ..	3.77	0.90	7	12	..
Dallas Castle ..	0.91	0.35	9	9	..	Belle Plain ..	4.41	1.04	5	12	..
Gordon Town ..	2.05	0.72	5	6	2.33	Milk River ..	0.81	0.19	18	9	1.62
Irish Town ..	2.40	0.65	5	10	1.73	Retrieve ..	3.69	1.07	5	7	1.53
Hope Gardens ..	2.64	1.04	14	9	2.50	Stone's Hope ..	3.77	0.63	28	11	3.50
Bamboo Pen ..	1.59	0.82	13	7	..	Newport, Man. ..	3.37	0.99	5	6	3.28
Plumb Point L. H. ..	0.20	0.20	8	1	1.75	Alligator Pond ..	1.93	0.46	5	6	2.01
King's House Gar. ..	1.40	0.42	14	6	2.37	Myersville ..	1.71	0.50	15	7	..
Up-Park Camp ..	0.65	0.29	5	4	..	Goshen ..	4.46	2.30	21	5	..
Cavaliers ..	0.79	0.25	5	8	..	Bull Savannah ..	2.75	1.00	5	6	..
St. George's College ..	0.42	0.19	5	11	..	Munro ..	1.58	0.50	5	13	..
Upper Kingston ..	0.50	0.16	5	7	1.58	Windsor, St. Eliz. ..	2.09	0.66	14	16	..
Parade Garden ..	0.61	0.44	5	2	..	Torrington ..	1.57	0.50	20	4	2.29
Kingston P.W.O. ..	0.45	0.30	5	4	1.53	Santa Cruz ..	5.81	2.19	19	7	5.25
Shortwood College ..	1.56	0.85	14	6	..	Hounslow ..	1.67	0.68	20	5	..
Constant Spring ..	3.22	1.44	14	10	..	Pedro Plains ..	0.44	0.28	14	2	1.52
Halfway Tree ..	2.45	1.75	8	4	1.53	Mountainside ..	4.26	1.56	29	5	2.81
Clifton Pen ..	1.18	0.71	8	5	1.33	Fort Charles ..	1.32	0.84	12	2	..
Twickenham Pen ..	1.63	1.01	8	5	..	Black River ..	8.02	2.04	19	11	4.52
Red Hills ..	1.60	0.96	5	3	..	Mt. Charles ..	10.24	2.54	18	16	..
Quarantine Station ..	0.82	0.33	11	8	0.92	Mount Edgecombe ..	11.42	1.73	14	18	6.82
Hematine ..	0.20	0.08	5	3	1.14	Bluefields ..	12.22	1.85	28	15	9.32
Spanish Town ..	0.86	0.39	18	6	1.90	Sav.-la-Mar ..	5.62	0.96	10	17	6.10
Hog Hole, St. Cath. ..	0.88	0.32	5	6	2.19	Little London ..	7.42	1.25	29	15	6.20
Old Harbour ..	0.70	0.26	15	5	1.99	Retreat ..	7.20	1.65	11	20	7.43
May Pen ..	2.60	0.92	5	10	2.76	Sheffield ..	..	..	..	..	..
Glen Muir ..	1.95	0.80	5	8	..	Negril Point L. H. ..	6.04	0.93	12	18	5.83

NOTES.

COMPARATIVE TABLE OF RAINFALL
AND DAYS ON WHICH RAIN FELL.

DIVISIONAL AND ISLAND RAINFALL.	July.			
	Rainfall, inches.		Days on which Rain fell.	
	1942.	Ave.	1942.	Ave.
North-eastern ..	7.47	5.25	16	10
Northern ..	4.37	3.19	11	7
West Central ..	6.93	7.56	15	13
Southern ..	3.47	2.99	8	7
The Island means ..	5.53	4.75	12	9

SHOCKS OF EARTHQUAKE IN JULY, 1942.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
None reported.			

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND—JULY.

The mean rainfall for the Island was 5.53 inches, or 0.78 inch above the 60-year average of 4.75 inches. The average was exceeded in all Divisions except the West-Central, which was slightly below.

The greatest fall for the month was 22.31 inches at Mill Bank, Portland, in the North-eastern Division, and the heaviest fall in 24 hours was 4.80 inches, at the same station, on the 24th.

The mean number of rain days was 12, the average for the month being 9. Bowden Pen in the North-eastern Division had the greatest number, 29.

The mean rainfall in each parish is given below, compared with the 10-year average:—

Parish.	1942	10-year Average.	Parish.	1942.	10-year Average.
	inches.	inches.		inches.	inches.
Kingston	0.44	3.02	St. James	4.88	4.80
St. Andrew	4.22	4.74	Hanover	8.09	7.84
St. Thomas	5.36	6.90	Westmoreland ..	9.78	8.93
Portland	13.48	9.21	St. Elizabeth ..	5.56	4.80
St. Mary	6.63	3.95	Manchester	3.92	5.70
St. Ann	3.96	3.35	Clarendon	4.33	5.07
Trelawny	4.62	3.86	St. Catherine ..	5.04	5.03

Portland, with 13.48 inches was highest, Westmoreland with 9.78 inches, was next, and Hanover with 8.09 inches, was third. Kingston with 0.44 inch, was lowest.

CITY OF KINGSTON.

The total rainfall for the month of July, 1942, was 0.45 of an inch, the 60-year normal being 1.54 inch. The greatest fall in 24 hours was 0.30 inch, on the 5th. There were four days with light rain. The Upper Boundary of Kingston gauged 0.50 inch with 7 rain days.

The several directions in which distant rain was observed were as follows:—To north on 6 occasions, to north-east on 3, to east once, to south-east on 2, to south and south-west once each, and to north-west on 6.

Distant lightning was observed to north-east, (very intense) on the 29th, at 9 p.m., and to east and south-east on one occasion each.

Distant thunderstorm occurred to north on 5 occasions, to north-east on 2, to south-east on 2, to south once and to north-west 5 times.

The mean barometric pressure was 29.960 inches, which corresponds with the 33-year normal. The highest reading was 30.051 inches, on the 14th, at 3 p.m. and the lowest was 29.880 inches, on the 29th, at 7 a.m., corrected for diurnal variation.

Mean temperature, based upon four observations per day, for the month was 82.6°, the 33-year normal being 81.4°, or 1.2° above-normal. Highest maximum was 95.0°, on the 3rd, and the lowest minimum was 71.4°, on the 15th. The extreme monthly range was 23.6°. On the other hand, the lowest maximum was 87.0° on the 9th, and the highest minimum 80.3°, on the 4th. The greatest range was 20.9° on the 2nd, and the least range was 11.0°, on the 5th. The maximum temperature was 90° or above on 23 days. This now makes the total from January to July, 95 days, as against 71 for the year, 1941. The minimum was 70° or above throughout.

The mean daily miles of wind registered was 211, the normal being 227, or 7% below. The highest total was 355, on the 30th, and the lowest 110, on the 4th. The greatest velocity was 48 miles per hour, on the 9th at 6.45 a.m. during a south-east squall. Southeast wind appeared early on one occasion, continued until late on 10 days and throughout the night once.

There was a rainsquall on the 9th, lasting from 6.40 to 8.30 a.m., with wind velocities varying between 35 and 48 miles per hour. It appeared to have been a line-squall, for it was experienced over the eastern half of the Island. Relatively slight damage was caused to cultivation.

The mean relative humidity was 74% which is 2% below the 33-year normal. The mean 7 a.m. was 77%, and mean 3 p.m. 63%. Lowest 7 a.m., 64% on the 30th, and lowest 3 p.m., 43% on the 3rd.

Overcast conditions prevailed in the early forenoon on 12 occasions, and in the afternoon on 22.

Total evaporation for July 7.78 inches, the normal being 7.87 inches.

Mean sunshine hours 7.7.

WEATHER DISTURBANCES.

There were no weather disturbances reported in July.

(Sgd.) J. F. BRENNAN,
Government Meteorologist.

Kingston, Jamaica,
August 20th, 1942.

No. 800

21 1943



JAMAICA
WEATHER REPORT
FOR THE MONTH OF
AUGUST, 1942.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32", gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first two standards only. Thermometers are exposed in Stevensons Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) cloud cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure.			Temperature. (F.)					Extreme Temperature. (F.)				
		7 a.m.	3 p.m.		7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.
	ft.	ins.	ins.	°	°	°	°	°	°	°	°	°	°	°
Morant Point Light House	8	29.947	29.928	82.2	84.9	87.2	77.1	10.1	89.9	12	72.7	25	17.2	
Kingston	24	29.917	29.888	77.0	85.1	89.6	74.2	15.4	94.6	2	71.6	26	23.0	
Negril Point Light House	33	29.910	29.887	77.9	83.1	87.6	73.5	14.1	92.5	2	71.3	3*	21.2	
Montego Bay†	33	..	..	75.8	83.3	91.2	71.9	19.3	94.0	3	69.5	7	24.5	
Castleton Gardens*	496	..	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens *	668	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mountains	4,900	..	..	..	..	..	..	..	..	..	..	..	..

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.		3 p.m.			
		°	%	°	%			ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.
Morant Point Light House	8	78	87	79	82	9.85	315	E	16.0	E	13.0	3.2	4.2	1.5	2.6	3.7	1.7
Kingston	24	70	80	74	71	4.21	185	NE	5.1	SE	14.1	2.2	0.0	3.8	4.5	1.8	2.5
Negril Point Light House	33	72	83	74	76	11.05	130	ENE	5.0	ESE	8.6	0.6	1.8	3.9	4.4	3.7	1.0
Montego Bay	33	73	90	78	85	4.54	..	E	..	E	..	..	..	..	..	..	..
Castleton Gardens	496	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mtns.	4,900	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

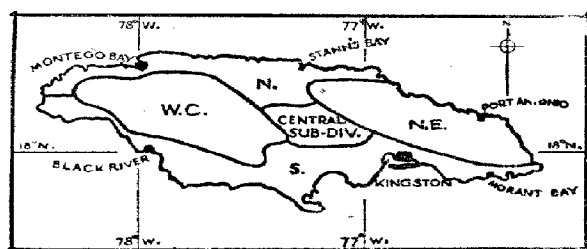
* And on other days. † Montego Bay—observations made at 8 a.m. and 3 p.m.

THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929". In obtaining the mean rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-eastern and West-central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica", following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



August, 1942.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION (N.E.)	Ins.	Ins.			Ins.
Manchioneal	18.95	4.35	24	21	7.09
Ecclesdown	24.80	7.38	24	25	..
Priestman's River	18.37	4.40	23	10	8.00
Bath	28.17	12.26	24	21	9.98
Barrett's Gap	41.53	12.55	24	25	..
Millbank	37.79	9.35	24	22	..
Bowden Pen	40.11	11.78	25	28	..
Moore Town	36.07	8.15	23	25	15.77
Port Antonio	29.30	7.18	25	25	11.62
Passley Garden	30.86	11.80	25	22	..
Mt. Pleasant	14.00	3.75	23	15	..
Fellowship	25.80	7.78	24	21	..
Johnson River Br.	24.62	12.40	24	12	14.25
Trinity Ville	24.84	11.50	24	14	10.01
Fruitful Vale	12.31	3.26	24	17	..
Shrewsbury	12.28	3.84	24	13	..
Hope Bay	16.65	4.44	24	17	..
Cedar Valley	22.86	7.66	24	17	9.23
Swift River	11.75	3.50	24	17	..
Lennox	15.41	4.90	24	11	..
Greenvale	5.54	2.50	23	9	5.80
Darley	13.66	3.44	24	18	..
Spring Garden	11.28	3.60	23	9	6.52
Hill Gardens	11.25	3.52	24	17	7.80
Buff Bay	9.09	3.07	24	13	5.87
Buff Bay R. Est.	8.49	2.73	23	7	..
Belvedere, Portland	6.88	4.00	25	5	5.35
Windsor Castle, do.	7.78	2.68	24	12	5.49
Balcarras	7.07	3.00	24	12	..
Mt. Holstein	6.13	1.80	24	16	7.02

August, 1942.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION, contd.					
Cedar Hurst	5.97	1.60	24	17	..
Hardware Gap	10.37	2.81	23	14	7.22
Rose Hill	12.58	2.60	24	19	9.92
Mount Cressy	10.09	1.65	24	21	..
Hermitage	11.91	1.76	19	19	..
Mount Airy	13.19	3.37	29	17	..
Stony Hill Ind. Sch.	12.52	2.07	6	19	8.86
Golden Spring	13.78	2.05	19	22	..
Brandon Hill	15.18	1.86	9	20	..
Enfield	3.22	1.80	24	8	..
Agualta Vale	5.73	2.22	24	14	4.28
Castleton Gardens	12.18	2.00	12	12	9.83
Water Valley	3.94	1.31	24	13	4.31
Albany	7.21	1.64	24	12	4.01
Platfield	9.60	1.48	29	24	..
Lawrence Tavern	15.04	4.47	30	17	8.23
Wey Hill	9.52	2.05	30	18	..
Richmond, St. Mary	7.24	1.63	24	12	5.05
Quebec, St. Mary	11.01	1.48	23	15	4.50
Above Rocks	12.20	2.37	30	18	..
Glengoffe	16.31	3.65	30	17	10.06
Carew Castle	16.86	3.32	30	19	..
Hampstead, St. Mary	7.22	1.50	23	11	4.39
Windsor Castle do.	14.89	2.50	24	20	..
Troja	12.87	2.65	30	10	..
Pear Tree Grove	9.43	1.92	29	14	..
Guy's Hill	12.58	2.25	31	15	4.13
Lucky Hill	11.65	1.90	25	20	4.66
Rio Hoe	10.66	2.45	31	12	5.86
Unity Valley	11.27	3.06	25	16	6.60
Moneague	8.66	2.12	24	14	6.69
Claremont	12.74	2.05	16	12	5.08
Averham Park	12.43	2.70	24	17	4.59
Albion	9.89	2.19	24	13	6.01
NORTHERN DIVISION (N)					
Port Maria	8.92	1.85	24	17	4.94
Wentworth	6.10	1.85	24	7	..
Jacks River	8.90	1.50	24	14	..
Oracabessa	9.30	1.80	23	12	..
Retreat	9.46	1.40	24	19	..
Huddersfield	8.10	2.09	24	8	..
Exchange	10.21	2.12	24	10	..
Ocho Rios	6.41	1.08	25	8	2.99
Rockfield	8.79	1.80	25	20	4.30
Liberty Hill	4.91	0.79	26	11	3.19
St. Ann's Bay	6.17	1.04	24	15	3.07
Richmond Estate	6.18	1.24	16	11	3.04
Runaway Bay	5.83	1.08	16	8	1.88
Thatchfield	9.83	1.95	12	15	..
Knapdale	6.66	1.32	25	17	..
Alexandria	5.90	1.90	25	12	3.86
Bel-Air	7.40	1.15	25	16	..
Brown's Town	7.42	1.38	13	19	3.96
Wilton	5.26	1.34	25	17	..
Watt Town, St. Ann	5.72	1.92	25	12	4.58
Home Castle	8.11	1.60	13	10	3.43
Stewart Town	6.32	1.25	25	11	..
Arcadia	5.87	1.60	1	13	3.27
Vale Royal	6.59	1.81	1	16	4.58
Harmony Hall	..	..	..	..	2.35
Duncans	6.46	1.85	1	7	..
Clark's Town	6.51	1.76	25	8	..
Gibraltar	8.57	2.20	13	13	..
Falmouth	6.91	2.09	1	9	2.45

August, 1942.						August, 1942.					
STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.	STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, <i>contd.</i>						WEST-CENTRAL DIVISION, <i>contd.</i>					
Adelphi	4.40	1.28	25	6	..	Wait-a-bit	12.95	3.94	25	21	..
Irwin	7.73	2.05	16	13	..	Christiana	12.34	3.88	24	15	7.03
Barrett Hall	..	..	..	..	..	Holmwood	12.64	1.15	25	19	..
Success	5.21	1.50	2	7	2.11	Clifton Hill	30.42	7.90	24	10	8.46
Cornwall	5.57	1.65	2	7	..	Kendal, Manchester	18.97	5.47	24	18	8.13
Rose Hall	5.02	1.45	2	7	2.06	Mereworth	23.43	5.12	24	20	..
Cinnamon Hill	4.15	1.10	2	7	2.19	Mandeville	19.96	4.65	24	13	8.53
Tryall	4.25	1.20	16	7	5.04	Ulster Spring	7.69	1.70	25	12	8.54
Running Gut	6.16	2.20	16	7	2.43	Greenvale	9.69	3.60	24	14	..
Spring Estate	6.15	3.15	16	7	2.44	Albert Town	7.67	1.36	25	10	9.25
Friendship	8.86	2.12	16	13	5.63	Craig Head	10.26	2.37	25	6	..
Windsor Lodge	4.40	1.40	25	8	..	Warsop	7.49	1.75	24	15	..
Latium	5.76	1.44	17	8	..	Troy	10.20	1.92	25	14	10.09
Retirement	11.03	3.03	16	14	6.11	Wallingford	10.56	2.83	24	14	10.33
Montego Bay	4.54	1.29	25	14	5.12	Balaclava	10.14	2.75	24	10	7.97
Anchovy	8.92	1.83	25	16	6.55	Braas River	6.76	2.50	24	9	..
Hopewell	4.90	1.60	25	11	..	Wakefield	8.93	1.80	14	11	..
Blue Hole	5.51	1.15	25	16	7.20	Appleton	9.73	3.13	24	14	..
Cascade	19.95	2.84	16	19	..	Aberdeen	11.67	3.10	24	14	..
Luca	7.33	1.50	20	17	6.29	Accompong	15.91	5.13	24	11	11.21
Haughton Court	10.00	2.26	11	15	..	Maggotty	7.16	3.14	2	11	..
Kendal—Hanover	17.27	1.96	9	21	6.65	Lacovia	8.51	2.50	25	11	..
Blenheim	11.33	1.15	12	19	..	Mulgrave	17.89	2.90	25	18	..
Cousins Cove	11.71	1.50	18	23	..	Holland	..	..	..	..	..
Green River	18.17	3.05	20	20	..	Ipswich	11.32	1.80	6	12	..
Green Island	16.51	2.29	20	20	..	Ginger Hill	16.30	3.69	25	15	..
Haughton Hall	12.23	1.92	9	23	9.48	Kempshot	..	..	..	..	..
CENTRAL SUB-DIVISION.						Garlands	13.60	2.60	9	12	..
Knollis	12.16	3.23	24	10	..	Mocho, St. James	..	..	..	..	13.41
Highgate (St. Cath.)	10.81	2.20	24	25	..	Catadupa	..	..	..	..	11.05
Rio Magno	14.29	2.56	31	16	..	Cambridge	13.19	2.19	25	20	11.12
Riversdale	15.32	2.35	6	17	..	New Market	10.38	2.80	25	11	13.12
Headworks, R.C.C.	13.86	5.32	24	11	5.55	Springfield	11.61	2.26	24	12	..
Bog Walk	12.45	2.05	19	10	..	Petersville	..	..	..	..	12.12
Linstead	16.33	3.61	24	17	8.62	Kew Park	14.01	2.16	25	18	..
Ewarton	9.35	4.00	24	7	..	Seaford Town	16.54	3.50	20	20	..
Greenock	7.96	2.60	25	7	..	The Bog	11.79	2.65	25	19	13.91
Cave Valley	9.65	2.30	25	12	7.42	Exeter	21.81	2.85	6	23	..
Guanaboa Vale	10.45	4.60	25	9	..	Bethel Town Dist.	18.30	3.15	25	20	14.10
Point Hill	23.09	5.80	24	15	10.25	Burnt Ground	11.39	1.83	25	16	11.09
Brown's Hall	20.64	5.58	26	14	7.88	Copse	10.91	2.30	16	17	..
Bellas Gate	18.14	3.90	16	13	5.95	Haughton Grove	16.65	2.50	25	14	..
Rock River	17.65	5.43	24	8	..	Knockalva	12.64	1.92	16	12	..
Crofts Hill	15.92	5.32	16	13	7.71	Darliston	30.34	4.10	30	22	15.00
Kellitts	9.75	4.10	15	12	..	Whithorn	12.64	2.07	30	14	11.74
Suttons	..	..	..	..	..	Water Works Pen	13.61	2.05	20	19	12.72
Colonel's Ridge	15.28	5.65	16	12	..	Williamsfield, Wld.	12.40	3.44	30	16	..
Chapelton	15.98	6.05	16	13	6.31	Petersfield	12.67	2.10	25	21	..
Crooked River	16.47	4.50	16	9	..	Baulk	11.35	1.80	30	17	..
James Hill	8.71	2.00	24	8	..	Askenish	14.50	1.85	20	20	12.78
Frankfield	13.79	3.65	24	13	7.82	Grange Hill	18.31	2.85	30	21	13.06
WEST-CENTRAL DIVISION (W.C.)						Mount Eagle	16.03	1.95	30	20	..
Mocho, Clarendon	33.32	9.12	16	20	6.79	King's Vale	3.82	0.41	5	19	10.61
Thompson Town	17.92	4.73	24	14	..	SOUTHERN DIVISION, (S).					
Porus	21.50	3.27	14	17	..	Morant Point L. H.	9.85	2.05	16	21	5.05
Borobridge	14.41	4.48	25	10	..	Golden Grove	18.53	9.10	21	22	..
Spaldings	14.81	4.15	25	16	7.26	Pleasant Hill	19.74	9.46	24	22	6.87
Williamsfield	..	..	..	..	..	East Prospect	13.68	4.84	24	21	6.69
Brokenhurst	20.23	4.30	24	16	8.16	Morant Bay	16.07	4.95	24	13	6.43
Shooter's Hill	19.56	6.38	24	17	7.38	Lloyds	19.20	8.21	23	12	..
						Yallahs	17.07	9.30	24	6	..
						Easington	19.48	7.55	24	12	6.67
						Mavis Bank	8.84	3.15	24	15	..

STATIONS.	August, 1942.					STATIONS.	August, 1942.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, <i>contd.</i>	Ins.	Ins.			Ins.	SOUTHERN DIVISION, <i>contd.</i>	Ins.	Ins.			Ins.
Harbour Head	11.30	2.65	20	7	2.54	Cottage	18.80	8.75	24	11	
Dallas Castle	11.79	2.82	15	12		Belle Plain	28.09	8.10	16	15	
Gordon Town	11.12	3.50	15	9	5.09	Milk River	16.34	4.18	25	11	4.26
Irish Town	10.86	2.00	16	9	5.95	Retrieve	17.92	4.15	24	12	4.06
Hope Gardens	9.02	2.90	15	16	5.81	Stone's Hope	16.70	5.38	24	17	6.48
Bamboo Pen	8.33	1.80	15	15		Newport, Man.	16.42	4.60	24	12	7.35
Plumb Point L.H.	5.48	2.30	24	9	3.47	Alligator Pond	16.66	9.35	24	8	4.13
King's House Gar.	8.99	2.65	15	17	4.90	Myersville	12.63	6.15	24	9	
Up-Park Camp	3.83	1.44	24	11		Goshen	11.76	3.68	24	7	
Cavaliers	4.90	1.55	24	13		Munro	13.96	4.50	25	12	
St. George's College	4.61	1.00	25	11		Windsor, St. Eliz.	14.63	4.08	24	13	
Upper Kingston	4.85	1.65	24	11	4.83	Torrington	14.44	5.35	14	9	5.54
Parade Garden	4.76	1.67	24	9		Santa Cruz	12.32	4.42	24	9	9.25
Shortwood College	8.07	2.43	25	11		Hounslow	10.94	2.6	14	10	
Kingston P.W.O.	4.21	1.65	24	9	3.60	Bull Savannah	8.72	4.00	24	6	
Constant Spring	10.36	1.83	19	18		Pedro Plains	8.08	3.13	25	6	2.92
Halfway Tree	4.74	1.65	24	11	3.84	Mountainside	11.09	3.30	25	8	5.38
Clifton Pen	3.63	2.43	24	10	3.91	Fort Charles	4.90	2.70	25	3	
Twickenham Pen	6.82	1.87	24	10		Black River	7.41	1.86	25	11	6.31
Red Hills	13.40	1.80	9	14		Mt. Charles	9.94	2.33	25	15	
Quarantine Station	9.92	3.30	25	10	2.56	Mount Edgecombe	13.77	2.82	25	18	8.46
Hematine	11.75	4.79	24	7	3.66	Bluefields	13.56	3.10	9	14	11.75
Spanish Town	13.19	5.07	24	19	3.87	Sav.-la-Mar	9.86	1.93	4	18	7.86
Hog Hole, St. Cath.	13.10	5.63	24	9	4.25	Little London	15.18	2.30	6	18	6.66
Old Harbour	14.67	7.58	24	10	4.71	Retreat	8.15	2.07	24	19	8.42
May Pen	17.37	6.18	24	12	5.26	Sheffield					
Glen Muir	19.30	6.30	24	8		Negril Point L.H.	11.05	3.41	24	17	6.54
Pennants	15.43	5.25	16	14							

NOTES.

COMPARATIVE TABLE OF RAINFALL
AND DAYS ON WHICH RAIN FELL.

DIVISIONAL AND ISLAND RAINFALL.	August.			
	Rainfall, inches.		Days on which Rain fell.	
	1942.	Ave.	1942.	Ave.
North-eastern	13.50	7.41	16	11
Northern	9.50	4.89	13	9
West-central	15.89	10.17	15	15
Southern	11.94	5.27	12	10
The Island means	12.71	6.93	14	11

SHOCKS OF EARTHQUAKE IN AUGUST, 1942.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
4th	9.50 p.m.	I	Ewarton

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND—AUGUST.

The mean rainfall for the Island was nearly double the average in all Divisions except the West-Central, where it was about 50% above. The greatest falls occurred between the 23rd and 25th instants.

The greatest fall for the month was 41.53 inches, at Barrett's Gap, in the North-Eastern Division, and the heaviest fall in 24 hours was 12.55 inches at the same station, on the 24th.

The mean number of rain days was 14, the average for the month being 11. Bowden Pen in the North-Eastern Division had the greatest number, 28, and Belvedere in the same Division had the least, 5.

The mean rainfall in each parish is given below, compared with the 10-year average:—

Parish.	1942.	10-year average.
	Inches.	Inches.
Kingston	4.78	5.61
St. Andrew	10.15	7.25
St. Thomas	21.23	8.21
Portland	17.05	10.48
St. Mary	8.57	6.38
St. Ann	8.18	4.87
Trelawny	8.42	5.36
St. James	7.07	6.11
Hanover	15.05	8.67
Westmoreland	14.81	9.91
St. Elizabeth	11.11	7.00
Manchester	17.51	8.23
Clarendon	16.64	6.81
St. Catherine	13.68	7.46

St. Thomas, with 21.23 inches, was highest; Manchester with 17.51 inches, was next, and Portland with 17.05 inches, was third. Kingston with 4.78 inches, was lowest. The average in all parishes was exceeded except in Kingston.

CITY OF KINGSTON.

The total rainfall for the month of August was 4.21 inches, the 60-year average being 3.60 inches. Most of this rain fell about the 24th, when a moderate weather disturbance was passing to southward of the Island. There were 9 rain days, this being the 50-year average. The upper boundary of Kingston gauged 4.85 inches with 11 rain days.

The several directions in which distant rainfall was observed are as follows:—To northward on 13 days, to north-eastward on 4, to eastward on 3, to southeast, east and southwest on one day each and to northwest on 9 days.

Distant lightning at night to northward twice, to northeast 4 times, to east and northwest once each.

Distant thunderstorm to northward on 6 days, to east and south once each and to northwest on 9 days. Intense local thunderstorm of short duration, on the 6th, 10th, 13th, 15th and 19th.

The mean barometric pressure was 29.914 inches, the 60-year normal being 29.929, or 0.015 inch below normal. Highest reading was 29.995 inches on the 9th at 3 p.m., and the lowest was 29.778 inches, on the 24th, at 7 a.m., corrected for diurnal variation.

The mean temperature based upon four observations per day, was 81.0°, which corresponds with the 33-year normal. The highest maximum was 94.6° on the 2nd, and the lowest, minimum 71.6° on the 26th, giving an extreme monthly range of 23.0°. On the other hand, the lowest maximum was 79.2°, on the 25th, a rainy day, and the highest minimum was 79.2°, on the 3rd. The greatest range was 20.3°, on the 22nd, and the least range was 5.0° on the 24th.

The maximum temperature in August attained 90° and above on 20 days. To the end of August, for this year, (8 months) there were 115 days recording 90° or above, which shews 17 days more than that for year 1941, or nearly 3 times greater than the 12-year mean. The minimum for August, 1942, was 70° or above throughout the 31 days.

The mean daily miles of wind, registered, was 185, which is 4% below that of the 25-year normal of 193 miles. The greatest number of miles of wind recorded was 315 on the 17th in 24 hours, and the least was 100 on the 23rd. The greatest velocity, 40 miles per hour, of short duration, on the 25th at about 2 p.m. when a weather disturbance passed to the southward of Jamaica, but of short duration, and appeared as a rainsquall. Southeasterly wind appeared early on 6 days and continued until late in the afternoon on 13 days.

The mean relative humidity was 79%, which corresponds with the 33-year normal. The mean 7 a.m. was 80% and mean 3 p.m. 71%. Lowest 7 a.m. 58%, on the 2nd, and lowest 3 p.m. 49%, also on the 2nd.

Overcast conditions prevailed in the forenoon on 18 occasions and in the afternoon on 26.

The total evaporation for August was 6.91 inches, the 10-year average being 7.56 inches.

Mean daily number of sunshine hours 6.7.

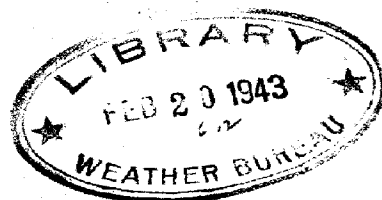
WEATHER DISTURBANCE.

A moderate tropical weather disturbance to the southward of Jamaica, moving to westward between the 24th and 25th causing heavy rainfall over the Island and considerable flood damages. The barometric pressure fell about 0.150 inch below the normal, also low pressure reported at Morant Point and Negril Point Lighthouses. Beyond a heavy rainsquall at Kingston and Morant Point, there was no very severe damage, owing to gale winds over the Island.

J. F. BRENNAN,
Government Meteorologist.

Kingston, Jamaica,
September 20th, 1942.

No. 803



JAMAICA
WEATHER REPORT.
FOR THE MONTH OF
SEPTEMBER, 1942.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first two standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) cloud cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature. (F.)					Extreme Temperature (F.)				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.
	ft.	ins.	ins.	°	°	°	°	°	°		°		°
Morant Point Light House	8	29.929	29.892	82.2	84.9	87.7	77.3	10.4	89.2	5	72.2	28	17.0
Kingston	24	29.900	29.856	76.3	86.4	89.8	73.9	15.9	92.2	17	71.0	20	21.2
Negril Point Light House	33	29.898	29.853	77.2	85.0	88.1	73.2	14.9	90.5	2	71.2	17	19.3
Montego Bay †	33	..	..	74.8	85.1	91.5	71.9	19.6	94.5	24	70.0	26*	24.5
Castleton Gardens	496	..	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mountains	4,900	..	..	..	..	..	..	..	..	..	..	..	..

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.		3 p.m.			
	ft.	°	%	°	%	ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Point Light House	8	78	86	79	82	3.28	278	E	14.0	E	13.0	2.6	4.1	1.6	2.6	3.7	1.3
Kingston	24	71	84	74	68	5.86	181	N	4.1	SE	14.1	1.3	0.0	0.0	3.7	1.4	2.9
Negril Point Light House	33	72	75	86	73	3.38	121	NE	3.9	ESE	9.4	0.7	0.6	5.8	3.5	3.5	1.1
Montego Bay	33	73	93	79	83	4.82	..	E	..	E	..	..	..	..	..	..	..
Castleton Gardens	496	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mtns.	4,900	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

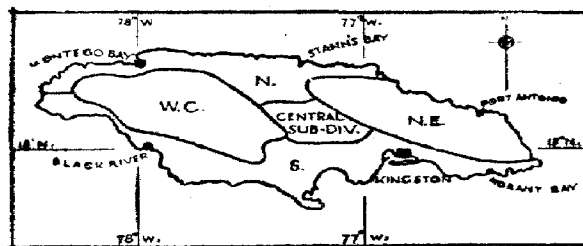
* And on other days. † Montego Bay—observations made at 8 a.m. and 3 p.m.

THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929". In obtaining the mean rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-eastern and West-central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica", following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



September, 1942.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION (N.E.)	Ins.	Ins.			Ins.
Manchioneal ..	11.60	2.73	12	16	9.68
Ecclesdown ..	16.15	3.74	18	22	
Priestman's River ..	12.60	3.10	11	12	10.33
Bath ..	10.33	1.70	18	18	12.17
Barrett's Gap ..	17.56	4.50	18	20	
Mill Bank ..	24.42	4.20	18	22	
Bowden Pen ..	28.28	6.95	18	27	
Moore Town ..	30.57	4.92	18	17	14.81
Port Antonio ..	12.30	2.50	18	18	10.38
Passley Garden ..	9.95	1.49	18	18	
Fellowship ..					12.57
Johnson River Br. ..	17.96	3.50	18	14	10.94
Trinityville ..	16.56	3.50	18	17	
Fruitful Vale ..	12.28	3.45	19	9	
Shrewsbury ..	9.71	2.50	24	10	
Hope Bay ..	11.50	3.66	18	11	
Cedar Valley ..	14.94	4.65	18	18	12.17
Swift River ..	11.17	3.16	12	14	
Lennox ..	11.20	4.90	6	19	
Greenvale ..	6.20	1.50	12	13	8.51
Darley ..	8.85	1.72	6	15	
Spring Garden ..	7.70	2.35	12	8	8.57
Hill Gardens ..	6.53	2.15	19	16	9.42
Buff Bay ..	5.80	1.60	18	12	5.07
Buff Bay R. Est. ..	8.71	2.00	18	15	
Belvedere, Portland ..	3.56	1.08	19	8	1.19
Windsor Castle, do. ..	4.50	1.72	17	10	5.48
Balcarres ..	6.17	1.03	18	12	
Mt. Holstein ..	7.99	2.00	18	13	10.13
Cedar Hurst ..	11.02	3.14	12	17	
Hardware Gap ..	7.69	2.10	19	13	10.70

September, 1942.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION, contd.	Ins.	Ins.			Ins.
Rose Hill ..	13.67	3.90	12	14	13.48
Mount Cressy ..	8.78	3.20	12	15	
Hermitage ..	11.92	3.02	28	15	
Mount Airy ..	8.11	1.59	12	15	
Stony Hill Ind. Sch. ..	11.88	5.16	28	12	10.05
Golden Spring ..	10.94	3.64	28	18	
Brandon Hill ..	8.32	0.88	29	12	
Enfield ..	5.65	2.02	13	9	
Agualta Vale ..	3.45	1.17	24	12	4.94
Castleton Gardens ..	15.55	2.40	5	12	11.76
Water Valley ..	4.85	1.34	17	6	4.82
Albany ..	5.07	2.57	19	6	4.18
Platfield ..	10.22	3.60	28	19	
Lawrence Tavern ..	10.34	2.04	12	15	9.87
Wey Hill ..	11.78	3.35	28	16	
Richmond, St. Mary ..	5.23	1.00	11	10	6.11
Quebec, St. Mary ..	6.01	1.45	18	11	1.45
Above Rocks ..	8.93	2.32	28	14	
Glengoffe ..	11.39	3.20	28	11	
Carew Castle ..	9.22	1.72	28	16	11.19
Hampstead, St. Mary ..	4.42	1.80	19	8	6.24
Windsor Castle do. ..	6.37	2.25	21	10	
Troja ..	14.72	2.56	28	13	
Pear Tree Grove ..	12.06	3.00	12	7	
Guy's Hill ..	7.23	1.85	7	11	7.37
Lucky Hill ..	5.11	0.89	18	15	6.14
Rio Hoe ..	4.04	0.91	18	10	6.36
Unity Valley ..	8.42	2.70	13	14	8.17
Moneague ..	4.29	1.10	13	12	7.55
Claremont ..	6.55	1.87	18	10	6.38
Averham Park ..	6.76	2.91	12	12	5.60
Albion ..	5.83	2.83	12	11	7.48
NORTHERN DIVISION (N).					
Port Maria ..	6.06	1.21	24	11	4.13
Wentworth ..	4.65	1.95	19	5	
Jacks River ..	5.17	1.40	20	12	
Oracabessa ..	5.08	1.40	19	10	
Retreat ..	4.31	1.53	19	13	
Huddersfield ..	3.63	1.76	16	5	
Exchange ..	5.36	1.08	19	9	
Ocho Rios ..	5.66	1.85	18	8	6.34
Rockfield ..	5.77	1.58	12	14	5.21
Liberty Hill ..	2.85	0.80	22	8	3.90
St. Ann's Bay ..	4.54	1.45	18	11	3.51
Richmond Estate ..	4.31	1.19	21	13	3.74
Runaway Bay ..	4.55	1.41	27	6	2.61
Thatchfield ..	3.66	1.61	12	9	
Knapdale ..	4.41	2.30	12	11	
Alexandria ..	3.41	1.05	27	10	7.21
Bel-Air ..	3.60	1.65	12	8	
Brown's Town ..	3.86	0.97	13	16	5.71
Wilton ..	2.46	1.10	13	11	
Watt Town, St. Ann ..	4.84	1.53	26	11	6.89
Home Castle ..	3.97	1.70	11	5	5.18
Stewart Town ..	6.23	2.40	14	9	
Arcadia ..	4.74	1.75	13	11	4.71
Vale Royal ..	5.72	1.82	13	11	4.72
Duncans ..	3.83	1.52	13	8	
Clark's Town ..	5.82	1.20	11	12	
Gibraltar ..	5.64	1.34	10	10	
Falmouth ..	3.61	2.07	13	5	3.41

September, 1942.						September, 1942.					
STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.	STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Maroon Town	..	..	..	..	..	Wait-a-bit	7.20	1.87	12	15	..
Adelphi	3.82	1.27	24	9	..	Christiana	6.30	1.20	28	13	9.17
Windsor Lodge	4.05	1.00	26	5	..	Holmwood	5.32	2.12	30	13	..
Latium	2.25	0.59	24	7	..	Clifton Hill	10.30	3.00	19	9	11.43
Barrett Hall	..	..	..	..	..	Kendal, Manchester	7.25	1.25	19	15	9.60
Success	..	..	..	..	3.55	Mereworth	8.56	2.61	29	19	..
Cornwall	..	..	..	..	..	Mandeville	6.87	1.41	19	8	10.05
Rose Hall	..	..	..	..	3.46	Ulster Spring	3.58	0.64	1	10	10.17
Cinnamon Hill	..	..	..	..	3.89	Greenvale	9.15	2.10	29	14	..
Tryall	..	..	..	..	5.12	Albert Town	1.54	1.11	12	4	10.87
Running Gut	..	..	..	..	3.68	Craig Head	..	..	..	..	..
Spring Estate	..	..	..	..	3.58	Warsop	4.44	2.40	28	12	..
Friendship	2.49	0.51	13	11	8.34	Troy	6.82	2.28	28	13	13.70
Irwin	2.33	0.52	26	9	..	Wallingford	8.42	2.00	30	15	12.37
Retirement	3.80	1.50	11	10	9.37	Balaclava	6.84	2.03	1	12	11.00
Montego Bay	4.82	2.38	11	8	6.58	Braes River	5.15	1.42	28	9	..
Anchovy	3.95	0.87	26	14	6.98	Wakefield	7.14	3.10	24	9	..
Hopewell	4.82	0.90	6	11	..	Appleton	5.98	1.47	2	15	..
Blue Hole	5.11	1.05	22	15	10.09	Aberdeen	8.75	1.16	27	17	..
Cascade	13.71	2.91	11	16	..	Accompong	15.16	2.77	14	16	..
Luca	5.41	1.33	28	12	8.16	Maggotty	10.96	2.33	30	17	..
Haughton Court	4.18	1.81	25	15	7.16	Lacovia	5.76	1.30	28	11	11.82
Kendal—Hanover	7.47	1.50	21	20	..	Mulgrave	14.90	3.10	2	15	..
Cousins Cove	8.07	1.99	4	23	..	Holland	..	..	..	..	..
Blenheim	10.98	3.45	4	14	..	Ipswich	12.24	1.88	30	16	..
Green River	5.63	1.23	9	13	..	Ginger Hill	7.37	1.40	2	12	..
Green Island	9.60	2.00	21	16	10.37	Kempshot	..	..	..	..	9.10
Haughton Hall	5.20	1.28	21	21	..	Maldon	10.44	1.90	9	17	..
CENTRAL SUB-DIVISION.						Garlands	13.60	2.60	9	12	..
Knollis	8.25	3.00	19	7	..	Mochu, St. James	..	..	..	..	..
Highgate (St. Cath.)	6.75	1.68	15	15	..	Catadupa	6.73	1.40	30	20	14.69
Rio Magno	9.52	1.40	13	11	..	Cambridge	5.83	0.72	28	16	12.29
Riversdale	11.92	1.60	24	15	..	New Market	9.97	1.38	29	16	11.81
Headworks, R.C.C.	5.16	2.62	19	10	6.24	Springfield	8.42	2.00	30	12	..
Bog Walk	5.80	1.40	15	10	..	Seaford Town	9.29	1.42	16	19	..
Linstead	8.59	2.00	12	17	7.48	Petersville	7.16	1.50	10	13	..
Ewarton	6.84	1.50	19	7	..	Kew Park	6.43	1.65	11	15	12.38
Greenock	..	..	..	..	..	The Bog	8.49	2.34	11	16	12.72
Cave Valley	6.03	2.62	30	10	7.87	Exeter	9.23	1.75	2	18	..
Guanaboa Vale	5.14	2.45	15	8	..	Bethel Town Dist.	7.53	1.60	11	13	15.76
Point Hill	10.57	2.10	20	9	10.89	Copse	5.84	1.16	12	19	..
Brown's Hall	9.34	2.15	19	11	9.81	Burnt Ground	10.31	2.04	1	13	13.30
Bellas Gate	12.21	2.95	19	13	5.71	Haughton Grove	14.90	4.00	1	11	..
Rock River	11.01	4.45	19	7	..	Knoekalva	12.01	4.19	12	13	..
Crofts Hill	8.03	1.77	19	12	7.67	Darliston	6.88	1.20	2	13	14.56
Kellitts	5.71	1.34	19	10	..	Whithorn	6.44	1.50	8	6	11.20
Suttons	..	..	..	..	..	Water Works Pen	8.17	1.24	16	18	11.01
Colonel's Ridge	8.35	2.54	19	19	..	Williamsfield, Wld.	3.75	1.50	9	13	..
Chapelton	10.15	2.80	19	13	7.86	Petersfield	5.11	0.84	16	13	..
Crooked River	8.42	1.92	19	11	..	Baulk	7.51	1.80	16	14	..
James Hill	9.65	2.39	20	15	..	Askenish	8.20	1.45	11	19	12.07
Frankfield	9.25	2.00	19	14	7.17	Grange Hill	8.34	1.90	7	17	11.75
WEST-CENTRAL DIVISION (W.C.)						Mount Eagle	8.11	1.70	11	16	..
Mochu, Clarendon	3.85	1.21	29	4	9.10	King's Vale	2.59	0.50	21	10	10.85
Thompson Town	8.24	2.65	19	13	..	SOUTHERN DIVISION (S.)					
Porus	6.92	1.28	19	8	..	Morant Point L. H.	3.28	0.67	11	17	6.94
Borobridge	6.51	2.71	30	8	..	Golden Grove	..	..	..	..	..
Spaldings	11.03	3.80	29	15	7.97	Pleasant Hill	8.33	1.45	13	20	8.44
Williamsfield	..	..	..	..	..	East Prospect	12.06	2.54	18	22	8.37
Brokenhurst	10.05	3.48	19	11	9.91	Morant Bay	12.14	2.11	12	15	8.00
Shooter's Hill	7.10	1.63	19	16	9.14	Lloyds	16.60	3.90	19	18	..
						Yallahs	9.79	2.20	19	12	..
						Easington	11.60	3.65	19	9	8.18

STATIONS.	September, 1942.					STATIONS.	September, 1942.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
Mavis Bank ..	7.63	2.65	19	12	..	Cottage ..	8.78	4.45	19	10	..
Harbour Head ..	2.00	0.20	19	6	4.10	Pennants ..	12.22	2.35	19	14	..
Dallas Castle ..	9.29	2.18	29	11	..	Belle Plain ..	12.06	3.75	19	10	..
Gordon Town ..	11.94	3.70	29	9	7.84	Milk River ..	7.64	2.80	19	8	7.27
Irish Town ..	8.14	2.20	12	11	8.35	Retrieve ..	8.19	2.73	18	9	7.42
Hope Gardens ..	6.08	1.74	29	12	6.94	Stone's Hope ..	8.96	2.48	19	15	8.67
Bamboo Pen ..	6.32	2.15	29	14	..	Newport, Man. ..	7.38	1.28	18	9	8.20
Plumb Point L. H. ..	5.50	2.80	18	7	4.30	Alligator Pond ..	3.99	2.25	19	5	5.48
King's House Gar. ..	6.58	1.23	29	11	5.32	Myersville ..	2.69	0.86	19	5	..
Up-Park Camp ..	6.46	1.75	19	10	..	Goshen ..	5.76	2.00	30	5	..
Cavaliers ..	7.43	2.48	19	11	..	Bull Savannah ..	3.13	1.50	19	4	..
St. George's College ..	6.70	2.14	30	9	..	Munro ..	4.12	1.22	19	13	..
Upper Kingston ..	6.95	2.35	25	13	4.33	Windsor, St. Eliz. ..	5.86	2.05	29	12	..
Parade Garden ..	7.05	2.13	29	9	..	Torrington ..	2.95	1.52	19	3	6.49
Kingston P.W.O. ..	5.86	1.77	29	10	3.87	Santa Cruz ..	4.68	1.70	28	9	9.66
Shortwood College ..	7.10	1.25	26	12	..	Hounslow ..	2.42	0.68	2	7	..
Constant Spring ..	11.48	3.18	26	13	..	Pedro Plains ..	1.59	0.78	19	5	4.07
Halfway Tree ..	7.59	2.52	29	8	4.72	Mountainside ..	1.63	1.30	28	2	4.66
Clifton Pen ..	7.52	3.55	29	9	4.21	Fort Charles ..	0.84	0.84	20	1	..
Twickenham Park ..	5.55	2.42	20	9	..	Black River ..	3.75	0.58	30	11	5.43
Red Hills ..	7.38	1.80	29	9	..	Mt. Charles ..	7.16	0.97	9	17	..
Quarantine Station ..	4.40	2.40	25	6	2.98	Mount Edgecombe ..	5.28	1.09	9	13	8.25
Hematine ..	5.02	3.10	19	7	4.89	Bluefields ..	8.09	1.90	15	9	10.83
Spanish Town ..	5.79	3.25	19	8	4.94	Sav-la-Mar ..	4.31	1.12	16	10	7.08
Hog Hole, St. Cath. ..	5.47	3.00	19	10	5.69	Little London ..	5.32	1.05	24	14	9.25
Old Harbour ..	12.96	9.27	19	7	6.01	Retreat ..	4.79	2.71	24	11	7.72
May Pen ..	9.54	3.34	19	12	7.04	Sheffield ..	..	..	..	..	..
Glen Muir ..	8.90	3.00	19	10	..	Negril Point L. H. ..	3.38	0.56	27	12	6.71

NOTES.

COMPARATIVE TABLE OF RAINFALL
AND DAYS ON WHICH RAIN FELL.

DIVISIONAL AND ISLAND RAINFALL.	September.			
	Rainfall, inches.		Days on which Rain fell.	
	1942.	Ave.	1942.	Ave.
North-eastern ..	9.96	8.48	14	13
Northern ..	6.03	5.89	11	10
West Central ..	7.91	10.99	15	16
Southern ..	6.85	6.42	10	11
The Island means ..	7.69	7.92	12	13

SHOCKS OF EARTHQUAKE IN SEPT., 1942.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
		None reported.	

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND—SEPTEMBER.

The mean rainfall for the Island was 7.69 inches or 0.23 inch below the 60-year average of 7.92 inches. The average was exceeded in all Divisions except the West-Central, which was 3.08 inches below.

The greatest fall for the month was 30.57 inches at Moore Town, in the North-Eastern Division, and the heaviest fall in 24 hours was 9.27 inches, at Old Harbour, in the Southern Division, on the 19th.

The Mean number of rain days was 12, the average for the month being 13. Bowden Pen in the North-Eastern Division had the greatest number, 27, and Fort Charles in the Southern Division had the least, 1.

The mean rainfall in each parish is given below, compared with the 10-year average:—

Parish.	1942.	10-year Average.	Parish.	1942.	10-year Average.
	Ins.	Ins.		Ins.	Ins.
Kingston ..	6.41	5.61	St. James ..	5.34	6.11
St. Andrew ..	8.39	7.25	Hanover ..	7.89	8.67
St. Thomas ..	12.59	8.24	Westmoreland ..	6.68	9.91
Portland ..	11.20	10.48	St. Elizabeth ..	7.05	7.00
St. Mary ..	6.43	6.38	Manchester ^o ..	7.60	8.23
St. Ann ..	4.78	4.87	Clarendon ..	8.81	6.81
Trelawny ..	5.10	5.36	St. Catherine ..	8.56	7.46

St. Thomas with 12.59 inches, was highest; Portland with 11.20 inches was second and Clarendon with 8.81 inches was third. St. Ann with 4.78 inches, was lowest.

CITY OF KINGSTON.

The total rainfall for the month of September was 5.86 inches, the 60-year average being 3.87 inches, representing nearly 2 inches above the average. Most of this rain fell during the latter half of the month. The greatest fall in 24 hours was 1.77 inches, on the 29th. There were ten rain days as against the average of 9. The Upper Boundary of Kingston gauged 6.95 inches, with 13 rain days. 2.39 inches fell on the 29th. Moderate rainsqualls occurred on the 7th, 12th, 19th and 24th.

The several directions in which distant rainfall was observed are as follows:—To northward on 8 occasions, to north-eastward on 5, to eastward on 2, to southeast once, to westward twice and to north-westward on 6.

Distant lightning in the evening to north once, to north-eastward on the 6th at 9.00 p.m. (intense) on the 11th: to eastward on the 6th (intense) at 9.00 p.m.; on the 7th intense at 5.00 a.m. and also on the 18th. To the westward on one occasion.

Distant thunderstorm to north on 5 days; to northeast and southeast twice each; to the south, southwest and west once each and to the northwest on 3 occasions.

Local thunderstorm on the 2nd, Intense on the 29th and 30th.

The mean barometric pressure was 29.889 inches, the 33-year normal being the same. The highest reading was 29.982 inches, on the 5th, at 3.00 p.m., and the lowest was 29.804 inches, on the 19th at 7 a.m., corrected for diurnal variation.

The mean temperature, based upon four observations per day, for the month, was 81.1° or 0.5° above the normal of 80.6°. The highest maximum was 92.2°, on the 17th. The lowest minimum was 71.0°, on the 20th, giving an extreme monthly range of 21.2°. On the other hand, the lowest maximum was 78.0°, on the 19th—(a rainy day) and the highest minimum was 77.3° on the 18th. The greatest range was 20.2° on the 17th and the least range was 4.6°, on the 19th, when the lowest maximum was recorded. The maximum was 90° or above on 22 days, and the minimum was 70° or above throughout.

The mean daily miles of wind registered was 181, the 25-year normal being 169, or about 8% above normal. The greatest number of miles of wind recorded in 24 hours was 305, on the 7th, and the least was 102, on the 17th. Maximum velocity 36 miles per hour of short duration, on the 19th, at 2.05 p.m., during a rainsquall. South-easterly wind continued until late on 7 occasions.

Mean relative humidity 80%, the 33-year normal being 82%. The mean 7 a.m. was 84% and the mean 3 p.m., 68%.

The lowest 7 a.m. was 73%, on the 5th, and the lowest 3 p.m. 51%, on the 16th.

Overcast conditions prevailed in the forenoon on 15 occasions and in the afternoon on 21.

Total evaporation for the month 6.74 inches, the 10-year average being 5.12 inches.

Mean daily number of sunshine hours 7.8.

WEATHER DISTURBANCE.

A moderate barometric depression passed to the far south about the 18th and 19th, causing heavy seas and rainsqualls with a 30 miles per hour easterly wind at Morant Point on the 18th and in the forenoon and afternoon of the 19th. The barometric pressure at Kingston at 7.00 a.m. on the 19th read 29.804 inches or nearly one-tenth of an inch below the normal. No serious damages were reported.

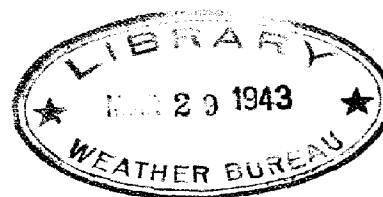
J. F. BRENNAN,
Government Meteorologist.

Kingston, Jamaica,
October 20th, 1942.

CORRIGENDUM.

Weather Report No. 797, May 1942. Page 4—Collage:—Amend Total Fall to read 8.63 inches instead of 5.25 inches, and Greatest Fall in 24 hours to read 6.30 inches, instead of 3.05 inches.

No. 804



JAMAICA
WEATHER REPORT.
FOR THE MONTH OF
OCTOBER, 1942.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first two standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) cloud cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature. (F.)					Extreme Temperature (F.)				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.
		ft.	ins.	ins.	°	°	°	°	°	°	°	°	°
Morant Point Light House	8	29.888	29.842	79.3	84.5	86.5	74.3	12.2	89.0	9	70.2	16	18.8
Kingston	24	29.861	29.817	74.4	85.2	89.5	72.7	16.8	93.9	24	68.8	5	25.1
Negril Point Light House	33	29.859	29.804	76.8	85.5	88.1	72.7	15.4	90.0	5	70.9	22	19.1
Montego Bay †	33	..	..	73.7	84.9	90.8	71.8	19.0	92.5	10	71.0	3*	21.5
Castleton Gardens	496	..	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mountains	4,900	..	..	..	..	..	..	..	..	..	..	..	..

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.		3 p.m.			
	ft.	°	%	°	%	ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L	M	U	L	M	U
Morant Point																	
Light House	8	75	89	78	79	18.19	117	NE	8.0	NE	8.0	2.0	3.4	1.8	2.6	3.0	1.6
Kingston	24	70	88	74	71	5.86	126	N	4.7	SE	8.5	1.1	0.6	1.8	5.0	1.7	1.8
Negril Point																	
Light House	33	73	88	75	70	4.18	107	ENE	3.9	NNW	6.7	0.1	1.0	4.0	2.0	3.4	1.3
Montego Bay	33	72	95	79	81	5.78	..	E	..	NE	..	..	..	..	..	..	..
Castleton																	
Gardens ..	496	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens,																	
Blue Mtns.	4,900	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

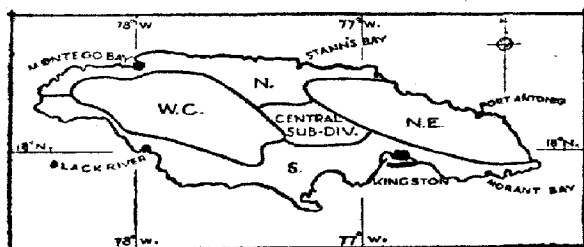
* And on other days. † Montego Bay—observations made at 8 a.m. and 3 p.m.

THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929". In obtaining the mean rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-eastern and West-central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica", following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



STATIONS.	October, 1942.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION (N.E.)	Ins.	Ins.			Ins.
Manchioneal	18.26	4.73	12	14	16.40
Ecclesdown	20.94	5.34	12	17	
Priestman's River	20.20	4.50	12	13	13.31
Bath	14.79	5.84	12	12	16.43
Barrett's Gap	18.83	5.77	12	17	
Mill Bank	13.14	3.48	12	14	
Bowden Pen					
Moore Town	13.09	3.74	8	14	18.74
Port Antonio	14.48	3.00	29	15	14.24
Passley Garden	11.37	2.80	8	11	
Mt. Pleasant	8.50	2.00	13	13	
Fellowship	12.73	2.97	8	16	15.96
Johnson River Br.	8.71	4.36	12	5	13.59
Trinityville	7.84	4.10	12	9	
Fruitful Vale	15.94	3.63	4	20	
Shrewsbury	13.80	2.75	18	11	
Hope Bay	8.65	3.00	3	11	
Cedar Valley	14.84	4.37	12	13	13.94
Swift River	10.90	3.15	4	16	
Lennox	12.70	2.40	4	10	
Greenvale	18.64	2.39	12	20	10.97
Darley	9.63	2.00	12	17	
Spring Garden	8.70	3.45	10	6	6.13
Hill Gardens	22.21	4.06	12	23	16.21
Buff Bay	9.35	3.75	4	10	9.27
Buff Bay R. Est.	13.48	5.27	4	10	
Belvedere, Portland	8.50	4.00	4	9	6.55
Windsor Castle, do.	8.21	0.90	27	15	7.38
Balcarras	25.64	3.92	4	19	
Mt. Holstein	21.14	3.48	27	25	
Cedar Hurst	18.01	3.66	12	24	

STATIONS.	October, 1942.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION, contd.	Ins.	Ins.			Ins.
Hardware Gap	22.42	4.30	12	23	14.72
Rose Hill	23.90	4.00	12	27	15.84
Mount Cressy	16.56	2.60	31	23	
Hermitage	20.67	2.85	12	22	
Mount Airy	16.86	3.30	31	19	
Stony Hill Ind. Sch.	16.56	2.53	24	20	14.06
Golden Spring	19.61	2.00	14	20	
Brandon Hill	11.40	3.50	22	13	
Enfield	5.96	1.74	28	10	
Agualta Vale	4.52	1.75	12	13	6.26
Castleton Gardens	19.25	4.65	31	9	14.36
Water Valley	3.99	1.94	4	6	7.27
Albany	4.68	2.35	4	11	7.44
Platfield	11.88	2.35	27	19	
Lawrence Tavern	15.95	2.60	12	20	11.90
Wey Hill	14.12	2.00	10	16	
Richmond, St. Mary	8.87	2.34	4	10	8.14
Quebec, St. Mary	8.70	3.25	4	9	9.33
Above Rocks	10.99	2.45	25	15	
Glengoffe	10.62	2.00	27	13	
Carew Castle	10.96	1.81	25	14	12.61
Hampstead, St. Mary	9.40	2.10	4	15	7.88
Windsor Castle do.	6.12	1.03	31	10	
Troja	12.22	3.40	27	12	
Pear Tree Grove	13.77	2.75	31	14	
Guy's Hill	12.55	2.35	3	16	7.27
Lucky Hill	9.35	1.43	22	18	8.28
Rio Hoe	11.01	3.45	2	13	8.68
Unity Valley	15.03	1.90	15	20	8.94
Moneague	11.27	1.85	5	18	8.97
Claremont	10.69	2.26	5	13	8.18
Averham Park	10.90	2.55	6	27	10.52
Albion	14.61	3.75	6	15	8.89
NORTHERN DIVISION (N).					
Port Maria	8.76	4.54	4	11	8.26
Wentworth	6.05	3.20	4	6	
Jacks River	4.94	1.20	4	11	
Oracabessa	6.56	2.10	4	11	
Retreat	5.96	1.56	15	14	
Huddersfield	7.29	1.65	5	9	
Exchange	5.81	2.06	6	6	
Ocho Rios	5.50	1.75	5	7	5.56
Rockfield	9.68	2.23	4	21	6.40
Liberty Hill	7.57	1.85	5	10	5.93
St. Ann's Bay	10.14	2.55	4	16	6.62
Richmond Estate	6.45	1.40	31	13	6.94
Runaway Bay	8.24	2.44	12	11	3.07
Thatchfield	8.31	3.65	2	14	
Knapdale	12.33	3.20	2	13	
Alexandria	9.47	1.21	2	19	7.96
Bel-Air	8.25	2.90	12	14	
Brown's Town	8.94	1.95	12	15	8.32
Wilton	7.11	2.06	12	21	
Watt Town, St. Ann	18.37	3.64	26	9	8.33
Home Castle	8.50	1.92	12	8	6.51
Stewart Town	7.18	1.48	12	11	
Arcadia	5.50	2.23	12	12	6.15
Vale Royal	9.05	2.60	12	14	6.50
Harmony Hall					5.18
Duncans	4.30	1.61	12	8	
Clark's Town	6.13	1.36	12	10	
Gibraltar	3.86	1.00	13	8	

STATIONS.	October, 1942.					STATIONS.	October, 1942.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Falmouth	6.48	1.80	9	9	5.54	Wait-a-bit	17.84	2.10	1	27	10.97
Adelphi	7.19	1.73	6	11	..	Christiana	17.81	2.75	14	23	..
Irwin	10.08	2.50	22	15	..	Holmwood	23.57	3.05	15	25	..
Barrett Hall	..	..	..	..	..	Clifton Hill	14.50	3.35	7	12	15.41
Success	4.60	1.00	31	12	5.98	Kendal, Manchester	13.11	1.95	1	21	13.65
Cornwall	6.22	2.20	6	9	..	Mereworth	12.82	1.88	26	26	..
Rose Hall	6.84	1.35	4	10	6.24	Mandeville	14.37	2.47	15	15	14.86
Cinnamon Hill	3.51	1.00	4	10	6.66	Ulster Spring	15.94	1.83	2	22	11.90
Tryall	6.30	1.25	31	9	6.01	Greenvale	19.95	2.20	19	25	..
Running Gut	6.43	1.45	31	12	5.52	Albert Town	12.63	1.40	12	16	11.79
Spring Estate	10.37	2.70	31	12	6.33	Craig Head	12.44	2.00	9	14	..
Friendship	10.81	2.50	11	17	10.16	Warsop	23.42	2.75	2	24	..
Windsor Lodge	4.51	1.01	22	8	..	Troy	17.30	4.17	20	22	15.46
Latium	3.59	1.05	6	11	..	Wallingford	17.23	2.60	18	29	13.54
Retirement	10.06	2.23	22	16	9.63	Balaclava	18.17	2.55	29	21	12.22
Montego Bay	5.78	1.28	1	11	7.53	Braes River	12.50	1.62	7	20	..
Anchovy	5.21	1.00	6	18	6.96	Wakefield	7.60	1.71	24	16	..
Hopewell	4.72	1.60	21	11	..	Appleton	16.59	3.26	7	21	..
Blue Hole	4.03	1.30	16	13	10.44	Aberdeen	17.72	3.84	7	23	..
Cascade	8.43	1.98	6	17	..	Accompong	16.38	2.28	7	26	..
Lucea	2.65	0.81	25	13	8.12	Maggotty	12.32	1.32	25	22	13.85
Haughton Court	3.37	1.03	22	10	7.18	Lacovia	11.34	1.55	31	19	..
Kendal—Hanover	4.12	1.00	20	12	..	Mulgrave	17.11	2.82	20	22	..
Blenheim	7.59	2.30	31	12	..	Holland	..	..	..	..	..
Cousins Cove	4.27	0.85	22	17	..	Ipswich	10.97	1.36	26	21	..
Green River	3.93	1.08	20	11	..	Ginger Hill	10.02	1.85	2	12	..
Green Island	4.05	1.94	21	10	8.61	Kempshot	..	..	..	..	9.67
Haughton Hall	2.62	0.56	10	12	..	Garlands	19.10	2.75	6	24	..
CENTRAL SUB-DIVISION.						Mochu, St. James					
Knollis	8.48	2.25	4	7	..	Catadupa	22.15	2.82	2	20	..
Highgate (St. Cath.)	14.40	2.94	23	19	..	Cambridge	14.15	2.85	7	22	14.00
Rio Magno	9.93	1.90	4	10	..	New Market	9.62	1.90	21	17	12.42
Riversdale	9.28	2.45	4	10	..	Springfield	12.59	1.55	23	18	13.14
Headworks, R.C.C.	13.64	2.45	27	17	9.03	Petersville	14.98	1.75	20	21	..
Bog Walk	11.02	3.50	4	8	..	Kew Park	8.57	4.00	2	15	..
Linstead	9.25	2.51	4	16	9.46	Seaford Town	12.77	2.60	25	23	12.03
Ewarton	8.77	2.82	4	8	..	The Bog	14.32	2.18	2	26	..
Greenock	15.36	3.20	1	17	..	Exeter	13.82	2.60	7	23	13.75
Cave Valley	15.33	2.97	1	15	9.81	Bethel Town Dist.	24.75	4.51	19	24	..
Guanaboa Vale	7.28	1.95	27	12	..	Burnt Ground	11.90	2.60	25	20	16.37
Point Hill	15.89	2.90	4	12	14.43	Copse	11.28	2.62	1	18	12.28
Brown's Hall	13.10	1.85	27	19	12.12	Haughton Grove	6.69	1.30	6	16	..
Bellas Gate	10.02	3.18	27	14	11.55	Knockalva	14.67	3.25	25	19	11.67
Rock River	7.45	1.70	30	6	..	Darliston	13.20	2.93	25	20	..
Crofts Hill	15.48	2.70	30	21	10.10	Whithorn	20.69	2.50	19	21	14.89
Kellitts	14.54	2.24	7	25	..	Water Works Pen	11.03	1.92	8	11	12.70
Suttons	..	..	..	..	..	Williamsfield, Wld.	11.03	2.10	24	19	11.31
Colonel's Ridge	16.51	2.77	30	21	..	Petersfield	13.53	1.60	30	23	..
Chapelton	11.15	1.30	24	19	12.13	Baulk	..	..	..	..	..
Crooked River	8.30	1.10	1	16	..	Askenish	8.89	1.80	9	14	..
James Hill	13.06	2.60	14	19	..	Grange Hill	7.75	1.50	9	19	14.36
Frankfield	15.93	4.88	14	22	11.27	Mount Eagle	10.84	1.71	9	17	12.85
WEST-CENTRAL DIVISION (W.C.)						King's Vale					
Mochu, Clarendon	34.37	6.62	28	12	13.81	SOUTHERN DIVISION (S.)					
Thompson Town	19.59	2.87	14	21	..	Morant Point L. H.	18.19	5.40	12	16	11.35
Porus	11.72	1.70	31	15	..	Golden Grove	20.40	3.17	11	15	..
Borobridge	19.33	4.28	1	21	..	Pleasant Hill	19.51	6.24	12	15	11.37
Spaldings	18.72	3.22	14	24	13.05	East Prospect	16.19	8.35	11	9	11.83
Williamsfield	..	..	..	..	..	Morant Bay	11.48	5.50	12	7	12.12
Brokenhurst	17.04	1.62	7	22	13.95	Lloyds	8.81	4.06	12	11	..
Shooter's Hill	14.49	2.00	7	22	12.05	Yallahs	7.30	3.20	12	6	..
						Basington	7.82	3.62	12	6	11.41
						Mavis Bank	13.69	4.25	12	24	..

STATIONS.	October, 1942.					STATIONS.	October, 1942.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
Harbour Head ..	5.94	1.80	12	6	7.33	Cottage ..	6.86	1.48	12	7	..
Dallas Castle ..	13.42	4.40	12	17	..	Belle Plain ..	17.32	2.42	30	18	..
Gordon Town ..	16.83	5.34	12	19	12.24	Milk River ..	10.91	2.95	11	13	8.20
Irish Town ..	23.79	3.60	12	24	10.54	Retrieve ..	9.77	1.84	13	9	9.44
Hope Gardens ..	12.74	4.40	12	19	9.68	Stone's Hope ..	7.45	1.02	4	18	12.14
Bamboo Pen ..	12.04	3.57	12	18	..	Newport, Man. ..	15.41	3.00	8	13	11.79
Plumb Point L. H. ..	7.67	3.87	12	5	7.15	Alligator Pond ..	3.17	0.96	9	5	7.49
King's House Gar. ..	10.10	2.90	12	17	8.55	Myersville ..	8.48	2.00	24	22	..
Up-Park Camp ..	7.13	3.50	12	12	..	Goshen ..	15.54	3.12	7	18	..
Cavaliers ..	6.86	3.20	12	13	..	Munro ..	13.77	3.07	24	23	..
St. George's College ..	8.40	3.26	12	12	..	Windsor, St. Eliz. ..	18.38	3.75	24	29	..
Upper Kingston ..	7.61	3.34	12	14	6.22	Torrington ..	12.40	3.40	24	15	10.09
Parade Garden ..	8.48	3.23	12	10	..	Santa Cruz ..	16.59	3.02	7	25	11.93
Shortwood College ..	11.94	2.50	12	21	..	Hounslow ..	13.54	2.90	27	15	..
Kingston P.W.O. ..	8.08	2.93	12	10	7.10	Bull Savannah ..	7.23	3.17	14	9	..
Constant Spring ..	14.00	2.50	12	22	..	Pedro Plains ..	6.12	2.20	24	12	5.44
Halfway Tree ..	11.23	2.92	12	13	8.05	Mountainside ..	21.20	5.00	24	19	7.87
Clifton Pen ..	7.57	3.47	12	10	6.56	Fort Charles ..	6.16	2.20	25	5	..
Twickenham Park ..	7.98	2.46	12	11	..	Black River ..	8.05	1.93	27	11	8.06
Red Hills ..	18.57	3.85	26	17	..	Mt. Charles ..	11.73	1.91	29	23	..
Quarantine Station ..	4.92	1.55	12	9	5.34	Mount Edgecombe ..	6.65	1.39	1	16	9.80
Hematine ..	10.48	1.80	2	10	6.86	Bluefields ..	5.71	1.48	25	13	..
Spanish Town ..	10.05	1.96	2	12	8.34	Sav.-Ja-Mar ..	7.27	1.98	7	11	8.87
Hog Hole, St. Cath. ..	11.79	2.41	2	17	8.94	Little London ..	9.04	2.00	23	13	10.50
Old Harbour ..	5.38	2.06	12	9	9.50	Retreat ..	6.59	1.05	22	16	10.10
May Pen ..	5.81	1.43	27	16	9.90	Sheffield ..	..	..	..	..	..
Glen Muir ..	8.05	1.50	12	13	..	Negril Point L. H. ..	4.18	1.12	25	14	8.21
Pennants ..	..	..	..	..	..	

NOTES.

COMPARATIVE TABLE OF RAINFALL
AND DAYS ON WHICH RAIN FELL.

DIVISIONAL AND ISLAND RAINFALL.	October.			
	Rainfall, inches.		Days on which Rain fell.	
	1942.	Ave.	1942.	Ave.
North-eastern	13.31	11.72	15	15
Northern	8.31	7.57	13	12
West Central	14.79	12.31	20	17
Southern	10.80	9.24	14	13
The Island means	11.80	10.21	16	14

SHOCKS OF EARTHQUAKE IN OCTOBER, 1942.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
4th	3.26 a.m.	I	Cousin's Cove.

N.B.—It is particularly requested that all Rainfall Post Cards be sent in not later than the 5th of each month.

THE ISLAND—OCTOBER.

The mean rainfall for the Island was 11.80 inches, being 14% above the average of 10.21 inches. The average was exceeded in all Divisions, especially in the West-Central Division.

The greatest fall for the month was 31.37 inches at Mocho, Clarendon, in the West-Central Division, and the heaviest fall in 24 hours was 8.35 inches, at East Prospect, in the Southern Division, on the 9th.

The mean number of rain days was 16, the average for the month being 14. Wallingford in the West-Central Division and Windsor, St. Elizabeth, in the Southern Division, had the greatest number, 29. The least number of rain days, 5, was recorded at Johnson River Bridge, in the North-eastern Division and also at Plumb Point Lighthouse, Alligator Pond and Fort Charles—all three Stations being in the Southern Division.

The mean rainfall in each parish is given below, compared with the 10-year average:—

Parish.	1942.	10-year Average.
	inches.	inches.
Kingston	8.05	6.83
St. Andrew	14.48	12.11
St. Thomas	13.44	14.56
Portland	14.00	13.58
St. Mary	8.13	9.17
St. Ann	10.39	7.68
Trelawny	10.56	8.74
St. James	8.76	9.34
Hanover	6.15	11.70
Westmoreland	11.19	12.17
St. Elizabeth	13.35	12.17
Manchester	13.84	14.24
Clarendon	14.32	12.72
St. Catherine	10.63	10.73

St. Andrew, with 14.48 inches, was highest; Clarendon, with 14.32 inches, was next, and Portland with 14.00 inches, was third. Hanover, with 6.15 inches, was lowest.

CITY OF KINGSTON:

Total rainfall for the month of October was 8.08 inches, the 60-year average being 7.11 inches. The "Seasons" rainfall was therefore well above the normal. Most of this rainfall was recorded during the first half of the month. There were ten days with rain, the average being twelve. The heaviest fall in 24 hours was 2.93 inches, on the 12th. The upper boundary of Kingston gauged 7.61 inches, and the heaviest fall in 24 hours was 3.34 inches, on the 12th. There were 14 days with appreciable rain.

The several directions in which distant rainfall was observed were as follows:—To northward on 12 occasions, to northeastward on 6, to east, southeast and west once each, and to northwestward on 9.

Distant lightning was observed to north on two days and to northeast on two occasions.

Distant thunderstorm occurred to northward on 9 occasions, to northeast on 2, to southeast and south on 1 and to northwest on 9 occasions. Local thunderstorm on the 5th, intense at 3.15 p.m., on 7th at 2.40 p.m., on 9th at 3.45 p.m., on 11th at 2.00 p.m.—(intense), on the 16th at 3.00 p.m. and on the 20th at 2.00 p.m.

Southeast rainsquall on the 5th, at 3.15 p.m.

The mean barometric pressure was 29.851 inches, the 33-year normal being 29.866 inches, or 0.015 inch below normal. The highest reading was 29.911 inches, on the 23rd at 3.00 p.m., and the lowest was 29.756 inches, on the 12th at 7.00 a.m.—corrected for diurnal variation.

The mean temperature based upon four observations per day, was 79.9°, the 33-year normal being 79.4°, shewing 0.5° above the normal. The highest maximum was 93.9°, on the 24th, and the lowest minimum was 68.8° on the 5th, giving an extreme monthly range of 25.1°. On the other hand, the lowest maximum was 80.2°, on the 11th—(a rainy day) and the highest minimum was 75.1° on the 6th. The greaterst range was 20.9°, on the 5th. The maximum was 90° or above on 14 days. There were 151 days above 90° to the end of October, 1942, as against 147 for the same period in 1941.

The mean daily miles of wind registered was 126, which is 25% below the normal of 155. (The Upper Wind up to 5 kilometres also shewed exceptional deficiency, or about 40%). The greatest number of miles of wind registered in 24 hours was 171, on the 31st, and the greatest velocity was 24 miles per hour, on the 22nd at 12.35 p.m., of short duration. There was a southeasterly rainsquall on the 5th. Southeasterly wind appeared early on 3 occasions and continued after 7.00 p.m. on 8 occasions. Throughout the night nil.

Mean relative humidity was 83%, the 33-year normal being 84%. The mean 7 a.m. was 88%, and mean 3.00 p.m. 71%. The lowest 7.00 a.m. was 79% on the 7th, and the lowest 3.00 p.m. was 58%, on the 6th.

Overcast conditions prevailed in the early forenoon on 9 occasions, and in the afternoon on 25.

Total evaporation for the month was 6.45 inches, the normal being 4.05 inches.

Mean daily number of sunshine hours 7.8.

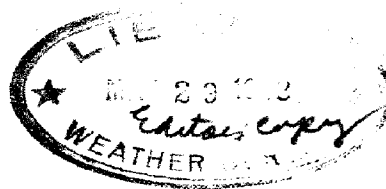
WEATHER DISTURBANCES.

There were no weather disturbances of marked intensity reported in October.

(Sgd.) J. F. BRENNAN,
Government Meteorologist.

Kingston, Jamaica,
November 20th, 1942.

No. 805



JAMAICA

WEATHER REPORT

FOR THE MONTH OF
NOVEMBER, 1942.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first two standards only. Thermometers are exposed in Stevensons Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) cloud cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure.		Temperature. (F.)				Extreme Temperature.(F.)					
		7 a.m. 3 p.m.		7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range
		ft.	ins.	ins.	°	°	°	°	°	°	°	°	°
Morant Point Light House	8	29.869	29.825	79.9	83.7	84.9	76.1	8.8	87.5	7	67.0	8	20.5
Kingston	24	29.845	29.796	73.6	86.5	89.2	72.3	16.9	92.7	7	67.4	8	25.3
Negril Point Light House	33	29.856	29.797	75.4	85.1	87.5	71.5	16.0	91.5	17	67.3	10*	24.2
Montego Bay†	33			74.6	86.0	89.2	71.2	18.0	92.0	3	68.0	24	24.0
Castleton Gardens	496												
Hope Gardens	668												
Hill Gardens, Blue Mountains	4,900												

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.		3 p.m.			
		°	%	°	%			ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.
Morant Point Light House	8	75	85	76	78	4.72	357	ENE	16.0	ENE	16.0	3.3	3.7	0.4	2.6	3.8	0.7
Kingston	24	69	85	72	62	0.46	130	N	4.5	S	5.9	0.9	2.1	0.9	2.6	3.1	0.6
Negril Point Light House	33	70	84	72	65	0.14	153	NNE	5.6	N	10.6	1.2	1.0	2.6	2.8	2.4	0.9
Montego Bay	33	73	93	77	75	2.67		E		E							
Castleton Gardens	496																
Hope Gardens	668																
Hill Gardens, Blue Mtns.	4,900																

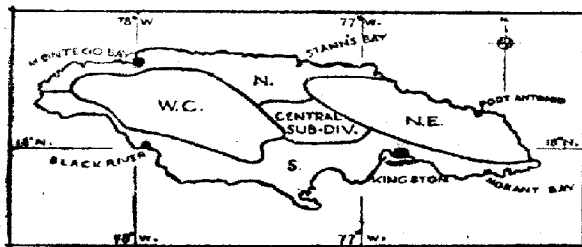
* And on other days. † Montego Bay— observations made at 8 a.m. and 3 p.m.

THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929". In obtaining the mean rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica", following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



November, 1942.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION (N.E.)	Ins.	Ins.			Ins.
Manchioneal	9.08	3.81	13	9	14.25
Ecclesdown	12.29	2.84	13	18	
Priestman's River	6.70	2.70	13	10	11.66
Bath	9.77	3.11	14	15	14.24
Barrett's Gap	23.50	6.63	14	15	
Millbank	31.34	4.92	14	19	
Bowden Pen	26.81	4.57	14	24	
Moore Town	34.32	5.15	13	19	33.29
Port Antonio	8.97	2.20	29	16	16.98
Passley Garden	8.53	2.60	29	15	
Mt. Pleasant	11.50	2.75	13	14	
Fellowship	20.84	2.68	10	22	25.41
Johnson River Br.					8.91
Trinity Ville	2.98	2.15	14	7	
Fruitful Vale	24.67	3.32	20	19	
Shrewsbury	26.94	4.40	20	20	
Hope Bay	10.91	2.91	13	14	
Cedar Valley	7.27	4.80	14	11	12.08
Swift River	29.94	6.62	19	21	
Lennox	16.52	2.10	29	16	
Greenvale	35.64	10.00	20	19	33.76
Darley	15.26	2.31	29	19	
Spring Garden	8.09	2.20	22	11	13.01
Hill Gardens	23.20	5.10	14	25	15.57
Buff Bay	13.63	3.05	29	15	15.92
Buff Bay R. Est.	30.15	9.50	20	18	
Belvedere, Portland	18.37	6.40	17	11	15.52
Windsor Castle, do	14.18	1.85	13	16	15.45
Balcarres	53.86	14.50	20	22	
Mt. Holstein	32.77	4.50	20	23	30.39
Cedar Hurst	25.18	5.55	13	22	

November, 1942.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION, contd.					
Hardware Gap	15.12	2.80	13	18	16.76
Rose Hill	11.94	2.56	13	20	15.38
Mount Crossy	32.97	4.90	20	22	
Hermitage	5.64	1.07	13	21	
Mount Airy	22.58	3.35	13	19	
Stony Hill Ind. Sch.	4.64	1.12	13	16	8.19
Golden Spring	6.59	1.65	13	20	
Brandon Hill	4.91	0.80	25	13	
Enfield	26.90	10.20	20	14	
Agualta Vale	8.21	1.25	20	15	11.68
Castleton Gardens	15.30	4.00	21	13	16.40
Water Valley	10.22	2.47	20	15	10.84
Albany	9.15	2.57	20	15	11.16
Platfield	12.53	1.65	13	19	
Lawrence Tavern	4.26	0.91	20	10	9.69
Wey Hill	8.66	1.95	2	11	
Richmond, St. Mary	7.42	1.56	16	12	12.12
Quebec, St. Mary	5.41	1.75	16	7	9.79
Above Rocks	3.27	0.91	2	6	
Glengoffe	6.35	1.85	16	5	
Carew Castle	4.33	1.14	16	10	10.69
Hampstead, St. Mary	10.92	2.10	2	12	16.24
Windsor Castle do.	10.05	1.78	16	18	
Troja	9.58	1.90	20	13	
Pear Tree Grove	7.71	1.40	21	11	
Guy's Hill	18.14	1.40	13	16	10.74
Lucky Hill	11.58	2.23	21	16	14.78
Rio Hoe	7.74	1.45	13	14	10.78
Unity Valley	6.53	1.30	16	18	10.35
Moneague	6.04	1.04	17	18	11.84
Claremont	10.48	2.00	13	16	11.99
Averham Park	14.49	3.22	13	23	13.38
Albion	8.22	2.03	13	17	10.62
NORTHERN DIVISION (N)					
Port Maria	5.61	1.52	2	13	11.02
Wentworth					
Jacks River	6.43	2.00	13	12	
Oracabessa	4.65	0.82	12	13	
Retreat	8.05	2.38	12	14	
Huddersfield	7.82	1.75	13	8	
Exchange	14.01	3.01	12	13	
Ocho Rios	7.11	1.76	13	13	9.50
Rockfield	13.06	3.28	16	21	15.09
Liberty Hill	5.59	1.90	14	13	11.06
St. Ann's Bay	8.59	2.69	13	17	9.58
Richmond Estate	9.61	2.00	13	16	9.64
Runaway Bay	5.93	1.82	6	8	3.98
Thatchfield	16.39	4.73	20	21	
Knapdale	12.82	4.20	20	16	
Alexandria	5.01	1.10	13	11	5.45
Bel-Air	10.55	2.65	6	11	
Brown's Town	10.11	1.25	17	19	11.23
Wilton	10.69	1.75	6	21	
Watt Town, St. Ann	7.32	3.10	12	15	5.15
Home Castle					9.00
Stewart Town	5.20	0.87	20	11	
Arcadia					7.50
Vale Royal	6.63	1.84	20	15	7.75
Harmony Hall					6.11
Duncans	6.14	1.55	12	12	
Clark's Town	6.54	2.14	20	14	
Gibraltar	5.46	1.00	20	14	
Falmouth	4.38	1.70	16	10	5.02

STATIONS.	November, 1942.					STATIONS.	November, 1942.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Adelphi	3.59	1.75	20	7		Wait-a-bit	6.85	1.40	1	18	
Irwin	2.56	1.02	16	6		Christiana	4.24	1.90	1	9	6.35
Barrett Hall						Holmwood	3.90	1.53	1	7	
Success					5.22	Clifton Hill	0.00	0.00		0	5.44
Cornwall						Kendal, Manchester	1.56	0.82	1	4	6.41
Rose Hall					5.71	Mereworth	1.01	0.39	1	8	
Cinnamon Hill					5.56	Mandeville	3.61	2.65	10	4	7.05
Tryall					4.30	Ulster Spring	6.17	1.80	1	13	7.30
Running Gut					5.21	Greenvale	4.21	1.85	24	7	
Spring Estate					5.74	Albert Town	4.06	1.16	24	6	7.40
Friendship	2.15	0.85	16	9	5.97	Craig Head	6.73	5.38	1	4	
Windsor Lodge	4.05	1.08	1	7		Warsop	7.27	3.75	1	12	
Latium						Troy	4.18	2.64	12	4	7.07
Retirement	1.69	0.90	20	7	6.57	Wallingford	1.36	0.85	9	7	6.87
Montego Bay	2.67	0.91	16	7	5.10	Balaclava	0.98	0.85	9	2	5.93
Anchovy					3.23	Braes River	4.74	2.60	20	7	
Hopewell	2.79	1.15	16	7		Wakefield	3.28	0.90	13	7	
Blue Hole	3.57	1.00	19	6	8.07	Appleton	3.93	1.54	9	5	
Cascade	1.02	0.45	18	3		Aberdeen	3.20	1.66	24	3	
Lucea	3.36	1.33	13	10	5.82	Accompong	2.69	2.15	11	4	
Haughton Court	3.42	1.62	13	4	4.58	Maggotty	4.97	1.40	9	7	6.81
Kendal—Hanover	1.35	0.55	13	5		Lacovia	1.65	0.68	11	5	
Blenheim	1.40	0.52	13	5		Mulgrave	3.00	1.50	2	4	
Cousins Cove	3.00	1.80	13	8		Holland					
Green River	0.41	0.26	13	2		Ipswich	3.69	2.60	1	4	
Green Island	1.60	0.70	13	5	4.62	Ginger Hill	2.06	0.76	1	4	
Haughton Hall	0.84	0.36	12	6		Kempshot					6.70
						Garlands	1.75	0.50	1	10	
CENTRAL SUB-DIVISION.						Mochó, St. James					
Knollis	2.27	1.00	1	3		Catadupa	0.24	0.13	18	2	8.01
Highgate (St. Cath.)	2.47	0.54	2	14		Cambridge	0.59	0.15	20	5	5.53
Rio Magno	8.81	1.75	19	11		New Market	1.17	0.61	21	3	7.39
Riversdale	3.70	0.90	16	7		Springfield	5.00	1.85	9	4	
Headworks, R.C.C.	0.84	0.38	11	4	5.12	Petersville	3.61	1.05	1	9	
Bog Walk						Kew Park	0.33	0.19	5	2	5.66
Linstead	1.44	1.05	16	5	6.47	Seaford Town	1.50	1.40	12	2	
Ewarton	1.02	0.47	30	3		The Bog	1.73	0.70	2	5	6.66
Greenock						Exeter	2.75	1.10	4	6	
Cave Valley	2.46	1.65	13	5	5.30	Bethel Town Dist.	1.67	1.05	1	4	7.50
Guanaboa Vale	0.00	0.00		0		Burnt Ground	0.96	0.59	20	3	5.96
Point Hill	2.58	1.73	1	2	10.01	Copse	1.85	1.40	20	4	
Brown's Hall	0.45	0.45	1	1	10.46	Haughton Grove	0.75	0.45	20	3	5.46
Bellas Gate	1.98	0.68	1	2	3.56	Knockalva					
Rock River	0.00	0.00		0		Darliston	1.08	0.56	9	2	7.35
Croft's Hill	2.06	1.10	24	7	6.40	Whithorn	1.26	1.26	1	1	6.06
Kellit's	2.45	1.05	24	4		Water Works Pen	1.00	0.50	1	4	4.90
Suttons						Williamsfield, Wild.	1.90	1.20	1	5	
Colonel's Ridge	0.93	0.25	11	8		Peterfield	1.17	0.67	1	4	
Chapelton	0.79	0.23	12	8	4.83	Baulk	0.40	0.20	1	3	
Crooked River	1.77	1.10	11	4		Askenish	1.35	0.75	12	3	5.04
James Hill						Grange Hill	0.33	0.14	20	4	5.66
Frankfield	4.50	1.85	24	7	4.39	Mount Eagle					
						King's Vale	0.32	0.20	13	2	5.05
WEST-CENTRAL DIVISION (W.C.)						SOUTHERN DIVISION, (S).					
Mochó, Clarendon	5.97	2.67	13	3	5.67	Morant Point L. H.	4.72	1.80	29	11	7.97
Thompson Town	5.61	2.48	12	6		Golden Grove	4.06	2.06	30	7	
Porus	2.30	1.30	1	5		Pleasant Hill	3.87	1.14	29	14	8.87
Boro-bridge	3.20	1.28	12	3		East Prospect	1.46	0.53	30	9	10.31
Spaldings	3.84	1.33	11	10	4.88	Morant Bay	2.34	1.35	14	5	7.22
Williamsfield						Lloyds	2.79	2.46	14	5	
Brokenhurst	1.29	0.83	1	3	7.29	Yallahs	1.75	1.70	14	2	
Shooter's Hill	1.50	1.40	1	2	6.74	Easinton	3.01	2.20	14	4	5.38
						Mavis Bank	4.54	1.91	14	13	

November, 1942.						November, 1942.					
STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.	STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
Harbour Head	0.65	0.50	23	2	3.10	Cottage	1.40	0.55	25	5	
Dallas Castle	2.84	1.02	14	10		Belle Plain	1.72	0.42	6	6	
Gordon Town	3.02	1.66	15	6	9.01	Milk River	0.84	0.28	6	4	5.12
Irish Town	9.75	2.20	13	15	8.98	Retrieve	6.62	2.40	13	6	5.22
Hope Gardens					5.80	Stone's Hope	1.14	0.53	25	4	5.58
Bamboo Pen	0.96	0.80	14	3		Newport, Man.	0.66	0.44	1	2	6.73
Plumb Point L.H.	0.00	0.00		0	2.45	Alligator Pond	1.50	1.50	11	1	3.55
King's House Gar.					4.75	Myersville	4.71	0.93	1	10	6.59
Up-Park Camp	0.91	0.72	14	3		Goshen	6.21	2.06	11	7	
Cavaliers	0.82	0.68	14	1		Munro	7.61	2.66	11	16	
St. George's College	0.63	0.46	14	5		Windsor, St. Eliz.	4.71	1.17	9	13	
Upper Kingston	0.80	0.63	14	5	2.52	Torrington	1.84	0.82	2	5	6.57
Parade Garden						Santa Cruz	4.17	1.45	11	13	6.09
Shortwood College	2.05	0.80	14	11		Hounslow	5.04	2.20	11	9	
Kingston P.W.O.	0.46	0.37	14	3	2.92	Bull Savannah	2.47	1.97	11	3	
Constant Spring	3.61	0.67	1	18		Pedro Plains	2.95	1.35	13	5	3.85
Halfway Tree	0.55	0.41	14	3	1.05	Mountainside	4.30	1.45	11	8	5.88
Clifton Pen	0.63	0.42	14	3	4.82	Fort Charles	2.36	0.80	4	6	
Twickenham Pen	0.89	0.57	7	2		Black River	4.01	1.28	11	9	4.36
Red Hills	3.20	1.50	18	1		Mt. Charles	3.01	1.23	11	7	
Quarantine Station	0.49	0.40	15	3	2.56	Mount Edgecombe	2.78	0.80	8	10	4.92
Hematine	0.76	0.37	22	5	3.67	Bluefields	1.49	0.66	9	4	6.48
Spanish Town	1.21	0.60	22	7	3.80	Sav.-la-Mar	0.30	0.17	11	3	3.67
Hog Hole, St. Cath.	4.47	1.62	2	11	4.60	Little London	0.26	0.20	12	2	3.98
Old Harbour	0.10	0.10	22	1	4.67	Retreat	0.02	0.02	5	1	4.60
May Pen	2.05	0.82	2	6	4.60	Sheffield					
Glen Muir	1.58	0.60	12	1		Negril Point L.H.	0.14	0.06	9	4	3.83
Pennants	1.07	0.77	11	3							

NOTES.

COMPARATIVE TABLE OF RAINFALL

AND DAYS ON WHICH RAIN FELL.

DIVISIONAL AND ISLAND RAINFALL.	November.			
	Rainfall, inches.		Days on which Rain fell.	
	1942.	Ave.	1942.	Ave.
North-eastern	14.92	15.52	16	16
Northern	4.65	6.42	9	11
West-Central	2.65	6.21	5	11
Southern	2.41	5.01	6	9
The Island means	6.16	8.29	9	12

SHOCKS OF EARTHQUAKE IN NOVEMBER, 1942.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
6th	8.12 p.m.	II	Felt over two-thirds of the Island, especially the eastern section.

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND—NOVEMBER.

The mean rainfall for the Island was below the normal by about 26%. The Divisional Means were also below their averages in all Divisions, the West-Central and Southern Divisions being over 50% each below.

Flood rains and high wind were experienced around Buff Bay to Falmouth, on the 16th and 17th, causing extensive damages to roads and bridges.

The greatest fall for the month was 34.32 inches at Balcarres, in the North-eastern Division, and the heaviest fall in 24 hours was 14.50 inches at the same station on the 20th.

The mean number of rain days was 9, the average for the month being 12. Hill Gardens in the North-eastern Division had the greatest number, 25. No rainfall was recorded at four stations—Guanaboa Vale and Rock River, in the Northern Division, Clifton in the West-Central Division and at Plumb Point Lighthouse, in the Southern Division.

The mean rainfall in each parish is given below, compared with the 10-year average:—

Parish.	1942.	10-year Average.
	Inches.	Inches.
Kingston	0.47	3.10
St. Andrew	6.78	11.56
St. Thomas	5.63	9.68
Portland	21.06	26.04
St. Mary	9.94	14.21
St. Ann	9.18	10.07
Trelawny	5.51	7.73
St. James	2.14	7.31
Hanover	1.75	6.60
Westmoreland	1.27	5.32
St. Elizabeth	3.53	5.68
Manchester	2.68	6.11
Clarendon	2.33	5.26
St. Catherine	3.75	7.58

It will be seen from the above, that there was a general deficiency of rainfall throughout the Island.

Portland, with 21.06 inches, was highest; St. Mary, with 9.94 inches, was next, and St. Ann, with 9.18 inches, was third. Kingston, with 0.47 inches, was the lowest.

CITY OF KINGSTON.

The total rainfall for the month of November was 0.46 inch, the 60-year normal being 2.92 inches. The actual fall was therefore about 85% below normal. The greatest fall in 24 hours was 0.37 inch on the 14th. There were three rain days, the 50-year average being 7. The Upper Boundary of Kingston gauged 0.80 inch, with five rain days.

The several directions in which distant rain was observed are as follows:—To northward on 1 day, to eastward on 2 days, and to the south, southwest and northwest on 1 day each.

Distant thunderstorm to northward on 2 days and to south on one day.

Mean barometric pressure 29.832 inches, the 33-year normal being 29.892 inches, or 0.060 inch below the normal. Highest reading, 29.927 inches, on the 21st at 3 p.m., and the lowest was 29.732 inches on the 6th at 7 a.m. (at the time of a weather disturbance in the vicinity of Jamaica) corrected for diurnal variation.

The mean temperature, based upon four observations per day, was 79.9°, the 33-year normal being 78.3°, or 1.6° above the normal. The highest maximum was 92.7°, on the 7th, and the lowest minimum was 67.4°, on the 8th, giving an extreme monthly range of 25.3°. On the other hand, the lowest maximum was 85.0°, on the 26th, and the highest minimum was 75.4°, also on the 26th. The greatest range was 20.6°, on the 8th.

The maximum temperature in November was 90° or above on eleven days, making a total number of cases from January, 1942 of 162, as against 161 days for the same period (11 months) last year.

The mean daily miles of wind registered was 130, as compared with the 25-year average of 141, shewing a deficiency of 8%. The greatest number of miles of wind recorded in 24 hours was 197, on the 18th, and the least was 81, on the 30th. The greatest velocity, 14 miles per hour, occurred on the 1st, at 2.15 p.m. of short duration. South-easterly wind continued late on 3 occasions.

The mean relative humidity was 76%, the 33-year normal being 82%, or 6% below. Lowest 7 a.m. 76%, on the 6th, and lowest 3 p.m. 50% on the 6th. The mean 7 a.m. was 85%, and the mean 3 p.m. 62%.

Overcast conditions prevailed in the early forenoon on 12 occasions and in the afternoon on 19.

Total evaporation for November, 6.09 inches, the 10-year average being 3.55 inches.

Mean daily number of sunshine hours 7.9.

EARTHQUAKE.

A sharp shock of earthquake was felt almost throughout the Island, on the 6th at 8.12 p.m. At Kingston, its duration was about 8 seconds, with an extreme horizontal movement of one-eighth of an inch. No appreciable damages reported.

WEATHER DISTURBANCE.

A weather disturbance passed to far north of Jamaica, near the Bahamas, and proceeded on a track over western Cuba and thence to the northern section of British Honduras, causing great floods and much property damage on the 5th to 8th.

J. F. BRENNAN,
Government Meteorologist.

Weather Office,
Kingston, Jamaica,
20th December, 1942.



JAMAICA

WEATHER REPORT

FOR THE MONTH OF
DECEMBER, 1942.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first two standards only. Thermometers are exposed in Stevensons Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) cloud cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure.			Temperature. (F.)				Extreme Temperature. (F.)			
		7 a.m.		3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date.	Min.
		ins.	ins.	°	°	°	°	°	°	°	°	°
Morant Point Light House	8	29.957	29.915	78.9	82.0	84.5	75.2	9.3	89.7	9	70.0	17
Kingston	24	29.947	29.899	71.5	84.8	87.3	70.4	16.9	92.0	6	63.8	31
Negril Point Light House	33	29.954	29.909	73.8	83.7	86.6	71.3	15.3	90.0	5	65.0	31
Montego Bay†	33	..	..	72.3	84.0	86.9	68.5	18.4	90.5	29	65.0	14*
Castleton Gardens	496	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mountains	4,900	..	..	..	..	..	..	..	..	..	..	..

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.					Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper					
		7 a.m.		3 p.m.					7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft.	°	%	°	%	ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.	
Morant Point Light House ..	8	74	84	75	78	9.73	288	ENE	14.0	ENE	13.0	4.1	3.8	0.3	2.9	3.4	0.7	
Kingston ..	24	67	85	72	65	2.07	154	N	5.3	SE	11.7	2.1	0.4	1.6	2.3	1.2	2.6	
Negril Point Light House ..	33	69	84	72	67	6.27	130	NE	5.3	var.	6.2	3.0	0.9	1.5	2.0	4.7	0.3	
Montego Bay Castleton ..	33	70	92	73	80	9.94	..	SE	..	E	..	..	..	..	..	..	..
Gardens ..	496	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens ..	668	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mtns. ..	4,900	

* And on other days. † Montego Bay—observations made at 8 a.m. and 3 p.m.

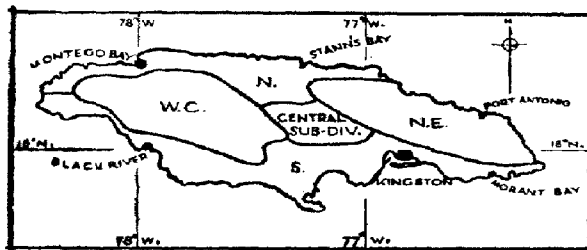
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THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929". In obtaining the mean rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica", following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



December, 1942.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION (N.E.)	Ins.	Ins.			Ins.
Manchioneal					7.25
Ecclesdown	20.53	8.15	16	17	
Priestman's River	19.26	6.30	16	8	5.59
Bath	11.50	5.82	16	14	8.68
Barrett's Gap	16.95	6.59	16	17	
Millbank	26.44	4.08	14	18	
Bowden Pen	24.42	4.80	16	22	
Moore Town	23.92	3.30	16	18	23.75
Port Antonio	13.86	3.41	14	12	12.43
Passley Garden	16.67	4.50	14	19	
Mt. Pleasant	17.75	4.00	14	16	
Fellowship	24.82	5.70	14	21	18.25
Johnson River Br.	6.91	3.75	16	9	4.73
Trinity Ville	5.76	2.75	16	10	
Fruitful Vale	31.79	7.50	17	22	
Shrewsbury	29.60	6.75	14	17	
Hope Bay	19.80	3.30	14	14	
Cedar Valley	6.97	2.34	16	11	4.29
Swift River	35.60	7.42	14	30	
Lennox	28.13	7.00	15	23	
Greenvale	38.61	10.64	17	18	22.57
Darley	20.63	4.57	14	17	
Spring Garden	15.24	3.57	14	15	8.06
Hill Gardens	14.27	2.68	2	16	9.68
Buff Bay	21.47	4.73	14	14	11.80
Buff Bay R. Est.	35.86	7.62	17	15	
Belvedere, Portland	24.22	5.00	15	9	13.85
Windsor Castle, do	25.67	6.05	14	18	11.68
Balcarras	73.14	28.00	17	18	
Mt. Holstein	34.19	9.45	17	17	19.56
Cedar Hurst	18.12	4.38	2	11	

December, 1942.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION, contd.	Ins.	Ins.			Ins.
Hardware Gap	11.13	2.70	2	11	6.29
Rose Hill	9.61	2.55	2	12	5.06
Mount Cressy	25.88	7.70	18	16	
Hermitage	6.53	1.60	16	12	
Mount Airy	18.93	4.45	18	14	
Stony Hill	7.19	1.53	16	10	3.81
Golden Spring	8.40	1.00	13	12	
Brandon Hill	16.81	5.15	19	11	
Enfield	38.99	10.50	17	13	
Agualta Vale	29.88	9.20	17	17	9.48
Castleton Gardens	53.06	15.30	18	16	12.78
Water Valley	24.27	5.80	15	14	9.46
Albany					9.41
Platfield	25.80	9.50	18	13	
Lawrence Tavern	10.55	3.52	18	10	4.36
Wey Hill	21.15	8.50	18	10	
Richmond, St. Mary	29.61	7.45	17	10	9.83
Quebec, St. Mary	22.27	8.64	14	16	9.47
Above Rocks	7.31	2.94	18	7	
Glengoffe	14.65	8.25	18	4	
Carew Castle	9.70	4.11	18	13	4.70
Hampstead, St. Mary	31.37	6.80	14	13	11.86
Windsor Castle do.	23.15	6.70	17	13	
Troja	25.68	6.33	18	13	
Pear Tree Grove	26.64	6.00	18	12	
Guy's Hill	21.93	5.00	17	11	7.42
Lucky Hill	22.13	5.24	17	17	10.23
Rio Hoe	21.09	5.10	17	13	8.45
Unity Valley	15.73	4.50	14	13	7.25
Moneague	15.34	4.06	14	13	7.25
Claremont	19.65	5.20	14	12	7.78
Averham Park	23.98	5.40	17	16	10.25
Albion	16.85	4.58	17	13	7.86
NORTHERN DIVISION (N)					
Port Maria	16.24	5.00	14	20	7.05
Wentworth	14.93	5.60	14	11	
Jacks River	20.92	6.76	14	20	
Oracabessa	17.71	3.35	14	21	
Retreat	20.86	5.09	14	17	
Huddersfield	20.77	6.16	17	13	
Exchange	16.38	7.50	15	6	
Ocho Rios	12.04	1.75	2	14	6.62
Rockfield	27.70	5.69	17	23	9.39
Liberty Hill	15.42	4.05	2	12	7.36
St. Ann's Bay	18.10	5.72	2	15	7.25
Richmond Estate	24.35	9.60	2	17	7.92
Runaway Bay	20.16	10.50	2	13	3.39
Thatchfield	36.82	11.00	2	12	
Knapdale	35.25	10.70	2	15	
Alexandria	7.30	1.90	17	9	2.67
Bel-Air	19.75	4.55	2	15	
Brown's Town	29.83	8.92	18	15	8.42
Wilton	28.69	10.50	2	16	
Watt Town, St. Ann	9.16	4.10	1	6	2.06
Home Castle	35.32	9.05	3	11	7.53
Stewart Town	23.28	7.54	18	12	
Arcadia	22.03	5.40	15	13	6.65
Vale Royal	22.47	5.74	15	11	7.38
Harmony Hall					5.85
Duncans	15.84	4.00	15	9	
Clark's Town	23.72	5.57	18	11	
Gibraltar	22.06	5.57	15	12	
Falmouth	9.06	2.64	2	11	6.53

STATIONS.	December, 1942.					STATIONS.	December, 1942.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, <i>contd.</i>	Ins.	Ins.			Ins.	WEST-CENTRAL DIVISION, <i>contd.</i>	Ins.	Ins.			Ins.
Maroon Town						Wait-a-bit	5.95	2.10	17	11	
Adelphi	12.03	2.20	18	12		Christiana	2.82	0.98	16	7	2.93
Windsor Lodge	13.07	2.04	18	11		Holmwood	3.02	1.20	16	6	
Latium	11.29	2.53	18	13		Clifton Hill	5.67	3.95	16	3	1.57
Barrett Hall						Kendal, Manchester	4.17	1.50	16	8	2.50
Success	7.90	1.38	2	10	3.95	Mereworth	7.18	4.29	16	10	
Cornwall	10.61	2.35	2	10		Mandeville	4.16	2.78	16	5	2.95
Rose Hall	6.87	1.12	2	11	4.64	Ulster Spring	5.57	1.75	17	6	4.08
Cinnamon Hill	7.04	1.31	2	11	4.66	Greenvale	2.92	1.35	16	8	
Tryall	6.70	1.40	2	10	3.28	Albert Town	5.54	1.50	18	7	3.71
Running Gut	7.50	1.50	2	10	4.73	Craig Head	3.87	1.00	18	3	
Spring Estate	7.41	2.10	2	10	4.51	Warsop	3.90	1.60	17	6	
Friendship	10.23	2.56	18	10	2.88	Troy	2.23	1.00	17	6	3.05
Irwin	8.76	1.55	2	11		Wallingford	2.35	0.91	17	6	2.26
Retirement	10.16	2.32	18	12	2.94	Balaclava	2.61	1.06	16	4	2.16
Montego Bay	9.94	1.67	17	13	4.26	Braes River	2.60	1.32	2	3	
Anchovy	5.88	2.50	18	10	2.85	Wakefield	15.83	4.90	18	13	
Hopewell	10.57	2.05	18	12		Appleton	4.08	1.75	2	9	
Blue Hole	7.71	1.80	16	7	2.32	Aberdeen	3.70	1.66	17	7	
Cascade	11.20	2.88	16	11		Accompong	5.00	1.95	18	5	
Lucea	8.54	5.25	16	12	3.37	Maggotty	3.53	1.46	16	6	2.88
Haughton Court	7.28	1.68	16	9	3.17	Lacovia	1.85	1.20	14	5	
Kendal—Hanover	5.45	1.30	16	8		Mulgrave	4.33	1.55	16	5	
Cousins Cove	6.35	1.57	18	16		Holland					
Blenheim	6.65	1.41	16	10		Ipswich	4.54	1.04	16	9	
Green River	4.16	0.80	12	9		Ginger Hill	3.64	1.03	16	8	
Green Island	4.28	1.34	18	12	2.14	Kempshot	10.76	4.26	18	12	5.08
Haughton Hall	5.93	1.63	12	15		Maldon	8.09	2.40	18	10	
CENTRAL SUB-DIVISION.						Garlands	5.42	1.25	17	9	
Knollis	5.65	2.00	18	5		Mcho, St. James					
Highgate (St. Cath.)	4.85	0.95	16	13		Catadupa	3.50	0.76	2	8	2.88
Rio Magno	22.50	6.20	18	11		Cambridge	3.61	1.06	2	8	2.26
Riversdale	15.71	6.30	18	9		New Market	1.62	0.79	16	3	2.01
Headworks, R.C.C.	3.50	1.00	16	8	2.00	Springfield	2.45	1.13	16	5	
Bog Walk	6.25	1.40	14	9		Seaford Town	3.38	1.04	16	8	
Linstead	10.34	5.56	18	12	3.37	Petersville	3.57	0.90	15	10	
Ewarton	8.59	3.00	18	8		Kew Park	5.05	1.42	16	7	2.56
Greenock	4.50	1.05	18	8		The Bog	2.07	0.80	16	10	2.79
Cave Valley	4.83	1.14	17	8	3.05	Exeter	3.79	1.06	16	12	
Guanaboa Vale	5.03	1.95	2	4		Bethel Town Dist.	4.97	1.80	16	8	2.19
Point Hill	5.92	1.84	20	8	4.43	Copse	5.15	1.18	17	8	
Brown's Hall	4.83	1.12	16	8	3.31	Burnt Ground	5.84	1.32	2	8	2.99
Bellas Gate	3.85	1.15	3	5	0.98	Haughton Grove	6.99	1.75	16	8	
Rock River	3.17	1.54	16	4		Knockalva	5.52	1.03	17	6	
Croft's Hill	5.96	1.60	18	9	2.16	Darliston	3.68	1.53	4	6	2.96
Kellitts	5.34	1.50	14	9		Whithorn	2.93	1.17	16	3	2.49
Suttons						Water Works Pen	4.44	1.25	26	9	2.21
Colonel's Ridge	3.06	0.78	28	6		Williamsfield, WLD.	2.03	0.80	2	6	
Chapelton	2.05	1.23	16	11	2.32	Peterfield	3.98	2.03	27	6	
Crooked River	3.75	2.04	16	7		Baulk	2.92	0.95	26	10	
James Hill	4.24	1.84	16	5		Askenish	8.80	3.50	16	8	2.33
Frankfield	3.39	1.10	16	6	2.04	Grange Hill	4.16	1.90	26	8	3.01
WEST-CENTRAL DIVISION (W.C.)						Mount Eagle					
Mcho, Clarendon	3.28	1.80	12	2	2.00	King's Vale	1.62	0.40	16	9	2.93
Thompson Town	3.45	1.50	16	6		SOUTHERN DIVISION, (S).					
Porus	2.91	1.60	16	4		Morant Point L. H.	9.73	4.57	16	19	5.58
Borobridge	1.43	0.73	6	22		Golden Grove	11.75	6.90	16	12	
Spaldings	3.46	1.10	16	6	2.13	Pleasant Hill	11.63	5.65	15	14	4.39
Williamsfield	2.68	1.36	16	4		East Prospect	11.24	4.57	16	17	4.65
Brokenhurst	5.91	4.05	16	8	3.04	Morant Bay	6.73	4.05	16	10	3.96
Shooter's Hill	4.10	1.43	16	8	2.16	Lloyds	3.44	1.88	16	10	
						Yallahs	3.37	1.95	16	4	
						Easinton	2.74	1.35	16	6	2.63

STATIONS.	December, 1942.					STATIONS.	December, 1942.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
Mavis Bank	5.11	1.78	16	10	..	Cottage	3.35	1.60	16	5	..
Harbour Head	2.48	1.28	15	6	1.07	Pennants	3.83	1.80	16	8	..
Dallas Castle	4.38	1.55	16	10	..	Belle Plain	5.46	1.77	16	5	..
Gordon Town	4.08	1.77	16	6	2.93	Milk River	3.25	2.50	16	7	1.82
Irish Town	3.80	0.70	18	8	3.11	Retrieve	6.41	2.30	16	7	1.25
Hope Gardens	3.40	1.49	16	12	2.58	Stone's Hope	5.42	3.48	16	12	2.45
Bamboo Pen	2.21	1.64	16	8	..	Newport, Man.	5.33	3.00	16	5	3.02
Plumb Point L.H.	2.90	2.40	16	3	1.31	Alligator Pond	2.55	2.10	16	2	1.97
King's House Gar.	2.93	1.67	16	7	1.91	Myersville	2.70	1.70	16	2	..
Up-Park Camp	2.81	1.84	16	9	..	Goshen	4.71	2.88	16	3	..
Cavaliers	2.78	1.84	16	8	..	Bull Savannah	2.28	1.82	16	4	..
St. George's College	2.73	1.76	16	9	..	Munro	2.94	1.80	16	11	..
Upper Kingston	2.46	1.58	16	9	0.73	Windsor, St. Eliz.	3.70	2.37	16	9	..
Parade Garden	2.26	1.41	16	6	..	Torrington	2.02	1.72	16	2	2.42
Kingston P.W.O.	2.07	1.46	16	6	1.41	Santa Cruz	3.86	1.71	16	10	2.60
Shortwood College	5.50	2.60	17	6	..	Hounslow	2.17	1.70	16	3	..
Constant Spring	5.59	1.66	16	13	..	Pedro Plains	1.44	1.44	16	1	1.44
Halfway Tree	2.90	1.90	16	6	1.70	Mountainside	3.75	2.10	5	5	1.29
Clifton Pen	2.83	1.80	16	9	1.10	Fort Charles	1.39	1.39	16	1	..
Twickenham Pen	2.23	1.37	16	7	..	Black River	2.60	1.12	16	5	2.22
Red Hills	3.78	1.20	16	7	..	Mt. Charles	2.46	1.00	16	10	..
Quarantine Station	2.42	1.60	17	9	0.79	Mount Edgecombe	3.58	0.90	15	11	2.36
Hematine	3.30	1.46	16	4	1.34	Bluefields	2.99	1.12	10	6	2.67
Spanish Town	3.40	1.40	16	7	1.79	Sav.-la-Mar	2.50	1.25	26	8	1.96
Hog Hole, St. Cath.	2.00	1.25	16	9	1.98	Little London	4.48	1.05	18	12	2.17
Old Harbour	5.83	2.62	16	6	2.33	Retreat	5.46	1.07	26	11	2.21
May Pen	5.54	1.50	16	9	2.00	Sheffield	..	..	..	..	..
Glen Muir	5.40	2.00	16	6	..	Negril Point L.H.	6.27	2.22	16	14	1.97

NOTES.

COMPARATIVE TABLE OF RAINFALL
AND DAYS ON WHICH RAIN FELL.

DIVISIONAL AND ISLAND RAINFALL.	December.			
	Rainfall, inches.		Days on which Rain fell.	
	1942.	Ave.	1942.	Ave.
North-eastern	20.49	10.32	14	14
Northern	11.39	5.03	11	9
West-Central	4.23	3.26	7	7
Southern	4.22	2.19	8	6
The Island means	10.08	5.20	10	9

SHOCKS OF EARTHQUAKE IN DECEMBER, 1942.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
None reported.			

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND.

The mean rainfall for the Island was 10.08 inches or 4.88 inches above the 60-year average of 5.20 inches. All the Divisions exceeded their averages, especially the North-eastern and Northern Divisions.

The greatest fall for the month was 73.14 inches at Balcarres, in the North-eastern Division, and the heaviest fall in 24 hours was 28.00 inches, at the same station, on the 17th.

The mean number of rain days was 10, the average for the month being 9. Swift River in the North-eastern Division had the greatest number, 30, followed by Lennox, 23, in the same Division, and the least number, 1, was recorded at Pedro Plains and Fort Charles, both in the Southern Division.

The mean rainfall in each parish is given below, compared with the 10-year average:—

Parish.	1942.	10-year Average.
	inches.	inches.
Kingston	2.48	0.82
St. Andrew	7.16	3.40
St. Thomas	8.36	4.31
Portland	27.14	14.43
St. Mary	25.48	8.97
St. Ann	19.91	6.14
Trelawny	13.65	3.25
St. James	8.34	2.85
Hanover	6.59	2.55
Westmoreland	3.80	1.90
St. Elizabeth	2.97	1.70
Manchester	4.32	1.84
Clarendon	3.95	1.54
St. Catherine	9.66	2.98

Portland, with 27.14 inches, was highest; St. Mary, with 25.48 inches, was second; and St. Ann with 19.91 inches was third. Kingston, with 2.48 inches, was the least.

FLOOD RAINS.

On the night of December 2nd to 3rd, a cloud-burst occurred over an area of about 80 square miles on the north coast of the Island, extending from St. Ann's Bay to the boundary of the parish of Trelawny, and approximately 4 miles inland. As a result, extensive damage was caused to roads and bridges in the parishes of St. Ann and Trelawny but particularly in St. Ann in the Runaway Bay-Dry Harbour-Bengal Areas. During this period, the rainfall over this area was abnormal, the highest recorded being 10.50 inches in 24 hours, at Runaway Bay and Home Castle, most of which fell in about six hours in the form of a cloud-burst.

Between December 14th and December 18th, heavy rainfall again occurred, but on this occasion, it extended over the North-eastern section of the Island, causing severe damage to roads in St. Andrew, Portland, St. Mary and St. Catherine.

The total cost of restoring damages caused by excessive rainfall on the two occasions herein mentioned, was estimated by the Public Works Department to be £110,000.

THE YEAR 1942.

Comparative Table A gives the mean monthly rainfall in each Division, with the respective totals, compared with the 60-year average, and shows an excess of 25.38 inches.

The mean number of rain days is also given, compared with the 35-year average, and shows an excess of 12. Table B gives the mean monthly rainfall in the 14 parishes, with the respective totals compared with the 10-year average. Portland, with 199.58 inches, had the highest total for the year. St. Thomas, with 127.93 inches, was next, and St. Mary, with 105.37 inches, was third. Kingston, with 46.69 inches, was lowest.

The differences that will be observed between Tables (A) and (B), as regards both the total for the year and those for each month, are due to the former being based only on stations with an average, while the latter includes all stations.

CITY OF KINGSTON.

Total rainfall for the month of December, 1942, was 2.07 inches, the 60-year normal being 1.41 of an inch. There were six rain days. The greatest fall in 24 hours was 1.46 inch on the 15th. The upper boundary of Kingston gauged 2.46 inches with 9 rain days.

Distant rain was observed to northward on 3 occasions, to north-east 2, to east-ward 3, to south-east 2 and to south, west and north-west, once each.

A south-east rainsquall occurred on the 12th between 12.35 p.m. to 1.15 p.m.

Distant thunderstorm to north on the 4th and 16th, to east on the 28th, and to south on the 16th.

Distant lightning to north on 2nd and 21st.

Mean barometric pressure was 29.937 inches, the 33-year normal being 29.941 inches, or 0.004 inch below the normal. Highest barometer reading 30.034 inches, on the 18th, at 3.00 p.m., and the lowest was 29.729 inches on the 2nd, at 3.00 p.m. corrected for diurnal variation.

The mean temperature was 78.0° the 33-year normal being 76.8°, or 1.2° above normal. Highest maximum 92.0°, on the 6th, and the lowest minimum 63.8°, on the 31st. The extreme monthly range was 28.2°. Maximum temperature was 90° and above on 6 days, and the minimum below 70° on 11 days. On the other hand, the lowest maximum was 80.0°, on the 17th, and the highest minimum 74.0°, on the 3rd. The greatest range was 24.3°, on the 13th, and the least range 7.2°, on the 18th.

The mean daily miles of wind was 154, the 25-year normal being 146, or about 5% above normal. The greatest number of miles of wind recorded in 24 hours was 255, on the 11th, and the least, 63, on the 17th. The greatest velocity of short duration was 30 miles per hour, on the 12th, at about 12.45 p.m. South-east wind continued until late on four occasions.

Mean relative humidity was 78%, the 33-year normal being 80%. The mean 7.00 a.m. was 85%, and the mean 3.00 p.m. 66%. Lowest 7.00 a.m., 76% on the 25th; and the lowest 3.00 p.m., 46% on the 31st. Overcast conditions prevailed in the early forenoon on 13 occasions, and in the late forenoon on 15. Total evaporation for the month was 5.10 inches, the 10-year average being 4.37 inches. Mean sunshine hours was 6.0.

KINGSTON FOR THE YEAR 1942.

The total rainfall for the year 1942, as registered at the Public Works Buildings, Port Royal Street, Kingston, was 41.42 inches, or 9.85 inches above the 60-year normal of 31.57 inches. The month of June recorded the greatest fall with 13.25 inches, followed by October with 8.08 inches. The months of February and March recorded the least with 0.10 of an inch, each. The total number of rain days with appreciable rain, was 73, as against the 49-year average of 79. The greatest number of rain days in one month was 11, in June, and the least 2, in March and April.

The mean barometric pressure for the year 1942, was 29.906 inches, the 33-year normal being 29.932 inches. Mean temperature for the year was 80.1°, as against the 33-year normal of 78.7°, a difference of 2.4°. The extreme maximum was 90° and above 168 times.

The mean amount of cloudiness for the year was 52%, the normal being 53%.

The mean relative humidity was 75%, the 33-year average being 79%. Average daily wind 181, normal 185 (See Table C).

KINGSTON.

Summary of Extremes for the Year, 1942.

Table (D) giving the extreme values of certain observations is appended.

The month of July recorded the highest barometer reading of 30.051 inches on the 14th, and December the lowest, 29.929 inches, on the 2nd.

The greatest number of days in any month in which the maximum temperature rose to 90° and above, was 24, in May. This was followed by 23, in July, and 22 in September. The least number, 4, occurred in January. The greatest number of days with temperature below 70°, was 15, and occurred in the months of January and February.

The maximum number of miles of wind registered in 24 hours, was 450, on the 8th of March, and the minimum 63, on the 17th December. The greatest rate of hourly velocity during short intervals was 48 miles per hour, on the 9th July.

The monthly lowest 7 a.m. relative humidity was 55%, on the 28th April. The lowest 3 p.m. was 33% on the 29th April.

The greatest fall in 24 hours was 5.48 inches on the 4th June.

J. F. BRENNAN,
Government Meteorologist.

Weather Office, Kingston,
20th January, 1943.

CORRIGENDA.

Weather Report No. 795, March, 1942—Page 4:

Amend the rainfall particulars for Kingston to read for Shortwood, and the particulars for Shortwood to read for Kingston.

Weather Report No. 799, July, 1942—Page 4: Comparative Table of Rainfall and days on which rain fell—

Amend Island Mean, 1942, to read 5.56 inches instead of 5.53 inches.

Weather Report No. 804, October, 1942—Page 1:

Amend rainfall for Kingston to read 8.08 inches instead of 5.86 inches.

NOTICE.

From and after the 1st January, 1943, the Meteorological Service of Jamaica will be in charge of the British Admiralty. *Rainfall Cards*, however, should continue to be forwarded to the Weather Office, Public Works Buildings, Kingston, as usual.

J. F. BRENNAN,
Government Meteorologist.

TABLE (A)—THE ISLAND RAINFALL, 1942 (In inches).

Month.	Divisions.				The Island.		Rain Day.	
	N.E.	N.	W.C.	S.	1942.	Average for 60 years.	Means for 1942.	Average for 35 years.
January	4.94	4.44	4.60	3.08	4.27	4.00	10	8
February	6.33	2.96	3.03	1.55	3.47	3.13	7	7
March	4.21	4.41	7.39	2.72	4.68	3.35	7	8
April	10.28	5.77	10.40	3.64	7.52	4.77	10	9
May	16.25	8.78	16.59	9.89	12.88	8.77	13	12
June	15.54	10.28	9.94	12.35	12.03	6.53	14	10
July	7.47	4.37	6.93	3.47	5.56	4.75	12	9
August	13.50	9.50	15.89	11.94	12.71	6.93	14	11
September	9.96	6.03	7.91	6.85	7.69	7.92	12	13
October	13.31	8.31	14.79	10.80	11.80	10.21	16	14
November	14.92	4.65	2.65	2.41	6.16	8.29	9	12
December	20.69	12.68	4.33	4.22	10.48	5.20	10	9
Total 1942	137.40	82.18	104.45	72.92	99.25		134	
Total 60-year Average	99.54	56.68	87.84	51.42	..	73.87	..	122

TABLE (B).—MEAN RAINFALL IN INCHES FOR EACH PARISH FOR THE YEAR, 1942.

Parish.	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	Total.	10-year Average
Kingston	1.51	0.22	0.41	0.46	5.30	16.16	0.44	4.78	6.41	8.05	0.47	2.48	46.69	30.46
St. Andrew	1.87	1.88	1.80	5.59	11.27	16.64	4.22	10.15	8.39	14.48	6.78	7.16	90.23	68.47
St. Thomas	4.95	2.95	1.76	3.31	13.74	31.89	5.36	21.23	12.59	13.44	5.63	8.08	127.93	79.95
Portland	9.44	14.80	5.98	14.03	25.70	25.70	13.48	17.05	11.20	14.00	21.06	27.14	199.58	136.13
St. Mary	3.69	5.44	4.45	9.15	9.76	7.70	6.63	8.57	6.43	8.13	9.94	25.48	105.37	83.72
St. Ann	4.10	3.70	4.02	5.81	9.07	6.36	3.96	8.18	4.78	10.39	9.18	20.31	89.86	65.76
Trelawny	3.98	3.52	6.05	8.24	12.10	8.12	4.62	8.42	5.10	10.56	5.51	13.65	89.87	61.52
St. James	4.10	3.45	6.06	11.92	10.40	8.52	4.88	7.07	5.34	8.76	2.14	8.90	81.54	64.22
Hanover	5.12	2.07	7.76	10.81	13.82	11.42	8.09	15.05	7.89	6.15	1.75	6.86	96.79	81.25
Westmoreland	4.17	3.01	6.26	9.08	18.19	7.53	9.78	14.81	6.68	11.19	1.27	3.80	95.77	83.75
St. Elizabeth	3.83	2.86	6.62	8.00	14.55	6.95	5.56	11.11	7.05	13.35	3.53	3.03	86.44	65.74
Manchester	4.30	2.16	6.85	7.06	12.80	10.98	3.92	17.51	7.60	13.84	2.68	4.32	94.02	70.82
Clarendon	3.52	2.12	3.83	6.84	12.58	15.24	4.33	16.64	8.81	14.32	2.33	3.95	94.51	59.98
St. Catherine	2.77	1.68	2.24	5.04	9.64	16.13	5.04	13.68	8.56	10.63	3.75	9.66	88.82	64.75
Means	4.10	3.56	4.58	7.52	12.78	13.74	5.74	12.45	7.63	11.23	5.43	10.34	99.10	72.62

TABLE (C.)—KINGSTON, JAMAICA—METEOROLOGICAL RESULTS FOR THE YEAR, 1942.

(FOR ELEVATION, See Foot Notes 1 and 2).

Month.	Barometer Pressure.		TEMPERATURE (FAH.)							Dewpoint and Relative Humidity.			Rainfall (ins.)		Rain Days.	
	7 a.m.	3 p.m.	Mean.	7 a.m.	3 p.m.	Max.	Min.	Range.	Extremes for Month.			3 p.m.	Actual Fall.	60 yrs. Ins.	No.	Av. for 49 yrs.
									Max.	Min.	Range.					
January	Ins. 29.980	Ins. 29.920	77.5	70.4	84.3	87.5	69.7	17.8	° 92.0	° 65.6	° 26.4	° 69 61	Ins. 1.05	Ins. 0.87	7	4
February	..	857	78.2	71.1	85.5	87.8	70.4	17.4	92.7	65.9	26.8	81	0.10	0.61	4	4
March	..	869	79.8	73.7	86.0	89.6	71.9	17.7	93.1	69.8	23.3	66	0.10	0.94	2	4
April	..	879	80.9	76.1	86.8	89.6	72.9	16.7	94.1	67.4	26.7	67	0.76	1.17	2	5
May	..	870	82.0	79.0	86.0	90.6	74.3	16.3	92.7	68.4	24.3	68	5.03	4.01	5	7
June	..	892	80.7	77.5	85.4	87.7	74.0	13.7	93.2	71.4	21.8	70	13.25	3.53	11	6
July	..	928	82.6	78.4	87.8	91.0	75.2	15.8	95.0	71.4	23.6	70	0.45	1.53	4	5
August	..	888	81.0	77.0	85.1	89.6	74.2	15.4	94.6	71.6	23.0	70	4.21	3.60	9	9
September	..	856	81.1	76.3	86.4	89.8	73.9	15.9	92.2	71.0	21.2	71	5.86	3.87	10	10
October	..	817	79.9	74.4	85.2	89.5	72.7	16.8	93.9	68.8	25.1	70	8.08	7.10	10	12
November	..	765	79.9	73.6	86.5	89.2	72.3	16.9	92.7	67.4	25.3	69	0.46	2.92	3	8
December	..	29.899	78.0	71.5	84.8	87.3	70.4	16.9	92.0	63.8	28.2	67	2.07	1.41	6	5
Means	29.918	29.873	80.1	74.9	85.8	89.1	72.7	16.4	93.1	68.5	24.6	68			..	..
Totals	41.42	31.57	73	79

NOTES:—(1) Since the year 1907, the observations have been made as follows:—

At 148½ East Street—(a) Pressure, Barometer 110 ft. above sea-level.

(b) Temperature, (Thermometers 107 ft. above sea-level and 4 feet above ground).

(c) Clouds and their direction.

At Public Works Buildings, Port Royal Street—(d) Rainfall, (Gauge 57.28 ft. above sea-level).

(e) Wind—(Anemometer 69.38 ft. above sea-level, wind vane 70.88 ft. above sea-level).

(2) Standard Barometer at Public Works Buildings—24 ft. above sea-level.

TABLE (C). *contd.*—KINGSTON, 1912.—MEAN RESULTS.

Month.	Wind, Miles per diem.	Wind: from and Miles per hour.			Clouds in Tenths.				Weather Conditions, etc.		
		7 a.m.	3 p.m.	11 p.m.	Lower.		Middle.			Upper.	
					7 a.m.	3 p.m.	7 a.m.	3 p.m.		7 a.m.	3 p.m.
January	186	N 6.2	SE 14.1	N 5.1	1.5	3.1	1.5	3.5	0.3	0.3	Overcast conditions prevailed in the forenoon on 10 occasions and in the afternoon on 16.
February	179	NNE 5.3	SE 12.4	NNE 5.9	0.8	2.2	0.5	2.3	0.4	0.0	Overcast conditions prevailed in the forenoon on 5 occasions and in the afternoon on 11.
March	233	NE 5.5	SE 19.2	NE 6.1	0.3	1.8	0.3	2.9	0.9	0.2	Overcast conditions prevailed in the forenoon on 4 occasions and in the afternoon on 14.
April	175	N 4.2	SE 13.4	NNE 3.9	0.7	1.9	0.9	3.6	1.3	0.4	Overcast conditions prevailed in the forenoon on 6 occasions and in the afternoon on 16.
May	207	N 4.8	SE 16.2	NNE 4.4	0.6	4.3	0.9	1.3	1.8	3.1	Overcast conditions prevailed in the forenoon on 7 occasions and in the afternoon on 27.
June	208	NE 4.3	SE 15.2	E 5.2	2.7	3.1	0.6	2.8	2.7	1.8	Overcast conditions prevailed in the forenoon on 16 occasions and in the afternoon on 22.
July	211	NE 5.8	SE 17.9	NE 4.6	1.7	2.0	0.5	2.9	2.2	2.6	Overcast conditions prevailed in the forenoon on 12 occasions and in the afternoon on 22.
August	185	NE 5.1	SE 14.1	NE 5.3	2.2	4.5	0.0	1.8	3.8	2.5	Overcast conditions prevailed in the forenoon on 18 occasions and in the afternoon on 26.
September	181	N 4.1	SE 14.1	NE 4.3	1.3	3.7	0.0	1.4	0.0	2.9	Overcast conditions prevailed in the forenoon on 15 occasions and in the afternoon on 21.
October	126	N 4.7	SE 8.5	N 4.0	1.1	5.0	0.6	1.7	1.8	1.8	Overcast conditions prevailed in the forenoon on 9 occasions and in the afternoon on 25.
November	130	N 4.5	S 5.9	N 4.9	0.9	2.6	2.1	3.1	0.9	0.6	Overcast conditions prevailed in the forenoon on 12 occasions and in the afternoon on 19.
December	154	N 5.3	SE 11.7	N 4.8	2.1	2.3	0.4	1.2	1.6	2.6	Overcast conditions prevailed in the forenoon on 13 occasions and in the afternoon on 15.
Means	181	NNE 4.9	SE 13.5	NNE 4.9	1.3	3.0	0.7	2.4	1.5	1.5	

TABLE (D).—Summary of Extremes of Instrumental Observations for each Month of the year, 1942.

Month.	Barometer.			Temperature (Fah.)		Surface Wind.				Relative Humidity, lowest.		Rainfall, greatest in 24 hours.	
	Highest.	Date.	Lowest.	Date.	90° and above. No. of days.	Below 70°. No. of days.	Miles in 24 hours.			Greatest Velocity.	Date.	Amount (Ins.)	Date.
							Greatest.	Date.	Least.	Date.			
January	30.049	5	29.875	29	4	15	310	23	96	6	14	0.64	27
February	29.966	28	29.751	24	6	15	399	16	96	10	16	0.04	22
March	29.975	9	29.836	27	13	2	450	8	122	10	18	0.06	23
April	29.978	16	29.843	19	12	3	330	7	95	4	7	0.73	4
May	29.966	24	29.830	17	24	2	300	23	112	2	10	3.70	30
June	29.987	9	29.809	7	13	..	346	21	80	6	19	5.48	4
July	30.051	14	29.880	29	23	..	355	30	110	4	9	0.30	5
August	29.965	9	29.778	24	20	..	315	17	100	23	25	1.65	24
September	29.982	5	29.804	19	22	..	305	7	102	17	19	1.77	29
October	29.911	23	29.756	12	14	2	171	31	90	26	22	2.93	12
November	29.927	21	29.732	6	11	2	197	18	81	30	1	0.37	14
December	30.034	18	29.729	2	6	11	255	11	63	17	12	1.46	16

The barometer readings are reduced to sea-level, also corrected for diurnal variations.